СИБУР

Catalog **products**

Product

BOPP films

Brand	Segment	Areas of use	Thickness, μ	CTE, ~	SIT, °C	Description
HASL	Transparent food-grade films	Packaging of salads, greens, vegetables (with or without printing). Flow pack on horizontal and vertical machines	25, 30	0.25	120	Antifog

Brand	Segment	Areas of use	Thickness, μ	CTE, ~	SIT, °C	Description
HGFL	Transparent food-grade films	Direct and reverse printing. Lamination of all types. Flow-pack packaging. Giving a good slip on the front and/or inside of the package	20, 25	0.45	105	With high CTE

Brand	Segment	Areas of use	Thickness, µ	CTE, ~	SIT, °C	Description
HGHL	Transparent food-grade films	Direct and reverse printing. Lamination of all types. Flow-pack packaging. Giving a good slip on the front and/or inside of the package	20, 25	0.20	105	Low coefficient of friction

Brand	Segment	Areas of use	Thickness, µ	CTE, ~	SIT, °C	Description
HGHW	Transparent food-grade films	Very high packing speed. For printing and lamination. For "butt-to-butt" and "overlap" thermosealing. Provides up to + 40% increase in packing speed compared to film with SIT=105 °C	30	0.25	75	Wide welding range

Brand	Segment	Areas of use	Thickness, µ	CTE, ~	SIT, °C	Description
HGPL	Transparent food-grade films	Direct and reverse printing. Lamination of all types. Flow-pack packaging for food-grade and industrial products	15–48	0.30	105	General purpose

Brand	Segment	Areas of use	Thickness, µ	SIT, °C	Description	OD	OTR, cm3/ m2/24h
HMIL.M	Metallized films	Flow pack. Printing and "duplex", "triplex" lamination. For cold-setting adhesive on the U side. To improve barrier properties	15, 18, 20, 25, 30, 40	105	With long-term activation	1.8	90

WTR, g/ m2/24h	Availability
1.0	Regular

Brand	Segment	Areas of use	Thickness, µ	SIT, °C	Description	OD	OTR, cm3/ m2/24h
HMPLB.M	Metallized films	Flow pack: sponge cake, chips, sweets. Shelf life extension. Printing and lamination. Cold-setting adhesive application	20, 30	105	Middle barrier	2.3	50

WTR, g/ m2/24h	Availability
1.0	Regular

Brand	Segment	Areas of use	Thickness, µ	SIT, °C	Description	Availability	ρ, g/cm3
HOCL	Filled films	Production of flexible packaging. Lamination with paper	25	105	Pearl NEW with high yield	Regular	0.65
	Transparency, %						
	25–50						

Brand	Segment	Areas of use	Thickness, µ	SIT, °C	Description	Availability	ρ, g/cm3
HOHG	Filled films	Flow pack, single- and reusable cold-setting adhesive packaging for chocolate and ice cream	40	105	White Pearl, 2 activations for CSR	On request	0.74
	Transparency, %						
	35–50						

Brand	Segment	Areas of use	Thickness, µ	SIT, °C	Description	Availability	ρ, g/cm3
HOHL	Filled films	Flow pack for chocolate, sweets, ice cream with and without cold-setting adhesive	30, 35	105	White Pearl for CS	Regular	0.72

Transparency, %
30–40

Brand	Segment	Areas of use	Thickness, µ	Availability	ρ, g/cm3	Transparency, %	Type of polymer
HOHM	Label films	For metallization. Circular label on PET bottles. For melt and cold-setting label adhesive. UV lamination and UV printing. For the production of self-adhesive labels	40	On request	0.65	25	SAL

Brand	Segment	Areas of use	Thickness, µ	SIT, °C	Description	OD	OTR, cm3/ m2/24h
HOHMLB.M	Metallized films	Flow pack: sponge cake, chocolate, chips, truffles. Compartmented insert cover. Broth cube wrapping	35	105	White Pearl	2.5	90

WTR, g/ m2/24h	Availability
0.4	Regular

Brand	Segment	Areas of use	Thickness, µ	SIT, °C	Description	Availability	ρ, g/cm3
HOHW	Filled films	Flow pack for sweets, ice cream, cookies and crackers. Increases packing speed by 40%	35, 40	75	White Pearl with wide welding	Regular	0.72

Transparency, %
30–40

Brand	Segment	Areas of use	Thickness, µ	SIT, °C	Description	Availability	ρ, g/cm3
HWHL	Filled films	Flow pack for chocolate bars, candies, ice cream, cookies, crackers, corn flakes	20, 30	105	White film	Regular	0.96

Transparency, %
35–50

Brand	Segment	Areas of use	Thickness, µ	Availability	ρ, g/cm3	Type of polymer
LGBA	Label films	PET bottle labeling. For direct or reverse printing. For cold-setting and molten adhesive	30, 35	Regular	0.91	WAL

Brand	Segment	Areas of use	Thickness, µ	Availability	ρ, g/cm3	Type of polymer
LGBM.M	Label films	The basis for the production of self-adhesives. For melt, water-based and UV-setting adhesive. Priming / coating	60	Regular	0.91	SAL

Brand	Segment	Areas of use	Thickness, µ	Availability	ρ, g/cm3	Transparency, %	Type of polymer
LOBA	Label films	PET bottle label. For direct printing. For melt adhesive labeling. Solvent printing. UV printing (primer required)	35, 38	Regular	0.68	20–30*	WAL

Brand	Segment	Areas of use	Thickness, µ	Availability	ρ, g/cm3	Transparency, %	Type of polymer
LOBB	Label films	PET bottle label. For direct printing. For melt adhesive labeling. Solvent printing. UV printing (primer required)	35, 38	Test	0.62	25	WAL

Brand	Segment	Areas of use	Thickness, µ	Availability	ρ, g/cm3	Type of polymer
LOHM.M	Label films	Circular label on PET bottles. Gives the label a metallic sheen. For melt and cold-setting label adhesive	38	Regular	0.71	WAL

Brand	Segment	Areas of use	Thickness, µ	Availability	ρ, g/cm3	Transparency, %	Type of polymer
LWBL	Label films	The basis for the production of self-adhesives. For melt, water-based and UV-setting adhesive. Priming / coating	60	Regular	0.96	25	SAL

Brand	Segment	Areas of use	Thickness, µ	CTE, ~	Description	Availability	Activation
MGD	Transparent non-food-grade films	Printing and lamination. Production of decorative packaging and wrapping. Giving flexible packaging a matte, "papery" look	40	0.35	Matte on both sides	On request	Crown

Brand	Segment	Areas of use	Thickness, µ	CTE, ~	SIT, °C	Description	Availability
MGPL	Matte films	Flow pack. Giving the packaging a matte, "papery" look. Used as a front film for packaging. For the production of "standing" bags	20	0.35	105	Matte, thermosealing film	Regular

Brand	Segment	Areas of use	Thickness, µ	CTE, ~	SIT, °C	Description	Availability
MGR	Matte films	Flow pack. Giving the packaging a matte, "papery" look. Used as a front film for packaging. For the production of "standing" HFFS bags	18, 20	0.30	None	Release film	Regular

Brand	Segment	Areas of use	Thickness, µ	CTE, ~	SIT, °C	Description	Availability
MGS	Matte films	Flow pack. Giving the packaging a matte, "papery" look. Used as a front film for packaging	20	0.25	None	Matte, non-thermosealing film	Regular

Brand	Segment	Areas of use	Thickness, µ	CTE, ~	Description	Availability	Activation
MGT	Transparent non-food-grade films	Production of postal envelopes with a "window". For the application of adhesive on the matte side of the film. Production of decorative packaging for flowers and gifts	27	0.30	Semi-matt, non-thermosealing film for office supplies	Regular	Flame

Brand	Segment	Areas of use	Thickness, μ	CTE, ~	Description	Availability	Activation
PGA	Transparent non-food-grade films	Production of adhesive tapes (scotch tape) with molten and water-dispersion adhesive	23, 25, 28, 32, 40	0.50	For scotch tape/ for no-noise scotch tape	Regular	Crown/Flame

Brand	Segment	Areas of use	Thickness, μ	CTE, ~	Description	Availability	Activation
PGD	Transparent non-food-grade films	Printing and lamination. Production of decorative packaging and wrapping	19, 30, 38	0.45	For decorative packaging. Non-thermosealing film	Regular	Crown

Brand	Segment	Areas of use	Thickness, μ	CTE, ~	Description
PGR	Transparent food-grade films	Packaging with cold-setting adhesive. Printing and lamination of all types	15, 20	0.25	Release for packaging with cold-setting adhesive. Non-thermosealing

Brand	Segment	Areas of use	Thickness, µ	CTE, ~	Description	Availability	Activation
PMD.M	Transparent non-food-grade films	Decorative packaging / wrapper. For bag-making machines	30	0.30	Non-thermosealing metallized film	Regular	Crown

Brand	Segment	Areas of use	Thickness, µ	Description	OD	OTR, cm3/ m2/24h	WTR, g/ m2/24h
PMP.M	Metallized films	Packaging with cold-setting adhesive. As the middle layer in the "triplex". Lamination and printing	20, 30	With two-way activation, non-thermosealing	2.2	100	1.0

Availability
On request

Brand	Segment	Areas of use	Thickness, µ	Availability	ρ, g/cm3	Transparency, %	Type of polymer
SOIL	Label films	Roll or sheet feed for printing. Melting on injection molding machines. For melting into PP and PE containers	50, 60, 70	Test	0.55	25	IML

Brand	Segment	Areas of use	Thickness, μ	Availability	ρ, g/cm3	Transparency, %	Type of polymer
SOL	Label films	Roll or sheet feed for printing. Melting on injection molding machines. For melting into PP and PE containers	60	Test	0.88	20	IML

Brand	Segment	Areas of use	Thickness, μ	Availability	ρ, g/cm3	Type of polymer
STG	Label films	Roll or sheet feed for printing. Melting on injection molding machines. For melting into PP and PE containers	57	Regular	0.91	IML

Brand	Segment	Areas of use	Thickness, μ	Availability	ρ, g/cm3	Type of polymer
STL	Label films	Roll or sheet feed for printing. Melting on injection molding machines. For melting into PP and PE containers	57	Regular	0.91	IML

Brand	Segment	Areas of use	Thickness, µ	Availability	ρ, g/cm3	Transparency, %	Type of polymer
SWL	Label films	Roll or sheet feed for printing. Melting on injection molding machines. For melting into PP and PE containers	55	Test	0.91	25	IML

Brand	Segment	Areas of use	Thickness, µ	CTE, ~	Description	Availability	Activation
TSHD	Tobacco films	For packaging cardboard cigarette packs. Wrapping cardboard packs with tea, marshmallows, cardboard cigarette blocks	18, 20	0.15	Shrink-film for cigarette packs	Regular	None

Shrinkage at 120 °C, 5 min, % MD	Shrinkage at 120 °C, 5 min, % TD
13	13

Brand	Segment	Areas of use	Thickness, µ	CTE, ~	Description	Availability	Activation
TSHL	Tobacco films	For packaging cardboard cigarette packs. Wrapping cardboard packs with tea, marshmallows, cardboard cigarette blocks	20	0.25	Shrink-film for wrapping boxes	Regular	None

Shrinkage at 120 °C, 5 min, % MD	Shrinkage at 120 °C, 5 min, % TD
6.5	6.5

Brand	Segment	Areas of use	Thickness, µ	CTE, ~	Description	Availability	Activation
TSHS	Tobacco films	For packaging cardboard cigarette packs. Wrapping cardboard packs with tea, marshmallows, cardboard cigarette blocks	18, 20	0.15	Shrink-film for cigarette packs	Regular	None

Shrinkage at 120 °C, 5 min, % MD	Shrinkage at 120 °C, 5 min, % TD
17	10

Brand	Segment	Areas of use	Thickness, µ	CTE, ~	Description	Availability	Activation
TSHT	Tobacco films	For packaging cardboard cigarette packs. For solvent flexographic and rotogravure printing. Wrapping cardboard packs with tea, marshmallows, cardboard cigarette blocks	18, 20	0.15	Shrink-film for cigarette packs	Regular	Yes

Shrinkage at 120 °C, 5 min, % MD	Shrinkage at 120 °C, 5 min, % TD
12	12

Polyethylene

Brand	Segment	Processing Method	Areas of use	MFI (g/10 min)	Density (g/cm3)	Type of polymer	Special additives
10803–020	Flexible packaging; Food products; Industrial and shipping packaging; Other goods; Covering materials; Silage and haylage films; Greenhouses with film coating Principal characteristics Basic polyethylene grade for film production	Extrusion	Films for food-grade and non-food-grade packaging	2.0 (2.16 kg)	0.919	Low-density polyethylene (LDPE)	No additives

Brand	Segment	Processing Method	Areas of use	MFI (g/10 min)	Density (g/cm3)	Type of polymer	Special additives
11503–070	Flexible packaging; Food products; Other goods	Extrusion	Lamination of paper, cardboard, aluminum foil, for food-grade and non-food-grade packaging	7.0	0.918	Low-density polyethylene (LDPE)	No additives

Principal characteristics

Basic polyethylene grade for film production, coating at low application rates

Brand	Segment	Processing Method	Areas of use	MFI (g/10 min)	Density (g/cm3)	Type of polymer	Special additives
153-01K	Cable insulation; Geosynthetics	Extrusion	Overlay of sheaths - точно нормальный перевод?, protective covers of cables by extrusion	0,30	0,921	LDPE Low-density polyethylene (LDPE)	Special formulation with enhanced thermal stability of the melt and increased resistance to thermal-oxidative degradation during product operation

Principal characteristics

The product is characterized by a special composition of the stabilization formula, which prevents the oxidation of the copper conductors of the product.

Brand	Segment	Processing Method	Areas of use	MFI (g/10 min)	Density (g/cm3)	Type of polymer	Special additives
153–02K	Cable insulation	Extrusion	Application of insulation, sheaths, protective covers of cables by extrusion	0.30	0.919–0.922	Low-density polyethylene (LDPE)	A special recipe with enhanced thermal stability of the melt and increased resistance to thermal oxidative degradation during the product use

Principal characteristics

The product is characterized by a special composition of the stabilization recipe, with increased thermal oxidative stability.

Brand	Segment	Processing Method	Areas of use	MFI (g/10 min)	Type of polymer	Special additives	Principal characteristics
153–10K	Cable insulation	Extrusion	Application of insulation, sheaths, protective covers of cables by extrusion	0.30	Low-density polyethylene (LDPE)	A special recipe with enhanced thermal stability of the melt and increased resistance to thermal oxidative degradation during the product use	The product is characterized by a special composition of the stabilization recipe, with increased thermal oxidative and photooxidative stability.

Brand	Segment	Processing Method	Areas of use	MFI (g/10 min)	Density (g/cm3)	Type of polymer	Special additives
15303–003	Flexible packaging; Food products; Industrial and shipping packaging; Other goods; Sleeves for grain storage; Silage and haylage films; Greenhouses with film coating Principal characteristics Basic polyethylene grade for film production	Extrusion	Shrink films, films for food-grade and non-food-grade packaging	0.30 (2.16 kg)	0.921	Low-density polyethylene (LDPE)	No additives

Brand	Segment	Processing Method	Areas of use	MFI (g/10 min)	Density (g/cm3)	Type of polymer	Special additives
15313–003	Flexible packaging; Food products; Industrial and shipping packaging; Other goods; Sleeves for grain storage; Silage and haylage films; Greenhouses with film coating Principal characteristics Basic polyethylene grade for film production	Extrusion	Shrink films, films for food-grade and non-food-grade packaging	0.30 (2.16 kg)	0.921	Low-density polyethylene (LDPE)	No additives

Brand	Segment	Processing Method	Areas of use	MFI (g/10 min)	Density (g/cm3)	Type of polymer	Special additives
15803–020	Flexible packaging; Food products; Industrial and shipping packaging; Other goods; Covering materials; Silage and haylage films; Greenhouses with film coating Principal characteristics Basic grade for film production. Excellent compatibility with LLDPE	Extrusion	Films for food-grade and non-food-grade packaging	2.0 (2.16 kg)	0.919	Low-density polyethylene (LDPE)	No additives

Brand	Segment	Processing Method	Areas of use	MFI (g/10 min)	Density (g/cm3)	Type of polymer	Special additives
15813–020	Flexible packaging; Food products; Industrial and shipping packaging; Other goods; Covering materials; Silage and haylage films; Greenhouses with film coating Principal characteristics Basic polyethylene grade for film production	Extrusion	Films for food-grade and non-food-grade packaging	2.0 (2.16 kg)	0.919	Low-density polyethylene (LDPE)	No additives

Brand	Segment	Processing Method	Areas of use	MFI (g/10 min)	Density (g/cm3)	Type of polymer	Special additives
271–274K	Cable insulation	Extrusion	Application of insulation, sheaths, protective covers of cables by extrusion	0.3–0.65	0.950–0.955	High-density polyethylene (HDPE)"	A special recipe with enhanced thermal stability of the melt and increased resistance to thermal oxidative degradation during the product use

Principal characteristics

The product is characterized by a special composition of the stabilization recipe, with increased thermal oxidative stability.

Brand	Segment	Processing Method	Areas of use	MFI (g/10 min)	Density (g/cm3)	Type of polymer	Special additives
B5910	Rigid packaging; Food-grade containers, Water containers	Extrusion blow molding	Containers (bottles, cans) up to 50 liters	1,1 (5 kg)	0,959	High-density polyethylene (HDPE)	Basic stabilization formulation
	Principal characteristics						
	Bimodal brand with increased resistance to cracking						

Brand	Segment	Processing Method	Areas of use	MFI (g/10 min)	Density (g/cm3)	Type of polymer	Special additives
HD 03490 PE	Geosynthetics	Extrusion	General-purpose pipes	0.30 (5 kg)	0.949	High-density polyethylene (HDPE)	Enhanced stabilization
	Principal characteristics	Min flexural modulus (MPa)					
	A bimodal product of PE100 class. Long service life, high hydrolytic strength	1000					

Brand	Segment	Processing Method	Areas of use	MFI (g/10 min)	Density (g/cm3)	Type of polymer	Special additives
HD 03594 PE special	Pipes	Extrusion	Pressure pipes and fittings for domestic water supply and gas distribution networks	0,25 (5 kg)	0.959	High-density polyethylene (HDPE)	Enhanced stabilization, UV stabilizer

Principal characteristics	Min flexural modulus (MPa)
A bimodal product of PE100 class. Long service life, high hydrolytic strength. UV resistant.	1000

Brand	Segment	Processing Method	Areas of use	MFI (g/10 min)	Density (g/cm3)	Type of polymer	Special additives
HD 03594 RC	Pipes	Extrusion	Pressure pipes and fittings for an alternative method of laying according to PAS 1075 in domestic water supply and gas distribution networks	0.30 (5 kg)	0.959	High-density polyethylene (HDPE)	Enhanced stabilization, UV stabilizer

Principal characteristics	Min flexural modulus (MPa)
A bimodal product of PE100 class. Long service life, high hydrolytic strength. UV resistant. High resistance to crack propagation.	1000

Brand	Segment	Processing Method	Areas of use	MFI (g/10 min)	Density (g/cm3)	Type of polymer	Special additives
HD02550 SB	Rigid packaging; Food-grade containers, Water containers	Extrusion blow molding	Containers up to 20 liters for storage and transportation of household chemicals, oils, liquid food products	0,20 (2,16 kg)	0,955	High-density polyethylene (HDPE)	Basic stabilization formulation

Principal characteristics

Medium molecular weight brand. Balanced physical and mechanical properties, good recyclability and excellent resistance to cracking

Brand	Segment	Processing Method	Areas of use	MFI (g/10 min)	Density (g/cm3)	Type of polymer	Special additives
HD03580 SB	Automotive components; Home care, cosmetics and personal care products; Rigid packaging; Food-grade containers, Water containers; Sleeves for grain storage Principal characteristics Bimodal grade. Balanced stress-strain properties, good processability and high resistance to cracking	Extrusion blow molding	Containers, tank-type vehicle components	0.30 (2.16 kg)	0.958	High-density polyethylene (HDPE)	No additives

Brand	Segment	Processing Method	Areas of use	MFI (g/10 min)	Density (g/cm3)	Type of polymer	Special additives
HD03580 SB	Geosynthetics	Extrusion	Geosynthetic materials (geogrids, geomembranes, road construction sheets, construction sheets)	0.30 (2.16 kg)	0.958	High-density polyethylene (HDPE)	No additives

Principal characteristics

Bimodal grade. Balanced stress-strain properties, good processability and high resistance to cracking

Brand	Segment	Processing Method	Areas of use	MFI (g/10 min)	Density (g/cm3)	Type of polymer	Special additives
HD04500 SB	Food-grade containers, Water containers	Extrusion blow molding	Capacity from 1.5 to 5 liters	1,7 (5 kg)	0,952	High-density polyethylene (HDPE)	Basic stabilization formulation

Principal characteristics

Medium molecular weight brand. Balanced physical and mechanical properties, good recyclability and excellent resistance to cracking

Brand	Segment	Processing Method	Areas of use	MFI (g/10 min)	Density (g/cm3)	Type of polymer	Special additives
HD10500 FE	Flexible packaging; Other goods; Sleeves for grain storage Principal characteristics Extensive molecular weight distribution, high melt strength, high film tensile strength, puncture and tear resistance.	Extrusion	Bags, packing, industrial packaging	10 (21.6 kg)	0.950	High-density polyethylene (HDPE)	Basic stabilization recipe

Brand	Segment	Processing Method	Areas of use	MFI (g/10 min)	Density (g/cm3)	Type of polymer	Special additives
HD10500 FE	Geosynthetics; Covering materials	Extrusion	Geosynthetic materials (geogrids, geomembranes, road construction sheets, construction sheets)	10 (21.6 kg)	0.950	High-density polyethylene (HDPE)	Basic stabilization recipe

Principal characteristics

Extensive molecular weight distribution, high melt strength, high film tensile strength, puncture and tear resistance.

Brand	Segment	Processing Method	Areas of use	MFI (g/10 min)	Density (g/cm3)	Type of polymer	Special additives
HD10530 LB	Rigid packaging; Industrial and shipping packaging	Extrusion	Vessels (canisters, containers, barrels) up to 227 L for aggressive substance storage	10 (21.6 kg)	0.953	High-density polyethylene (HDPE)	No additives

Principal characteristics

High molecular weight grade. Balanced stress-strain properties, high rigidity and resistance to cracking

Brand	Segment	Processing Method	Areas of use	MFI (g/10 min)	Density (g/cm3)	Type of polymer	Special additives
HD10530 LB	Geosynthetics	Extrusion blow molding	Geosynthetic materials (geogrids, geomembranes, road construction sheets, construction sheets)	10 (21.6 kg)	0.953	High-density polyethylene (HDPE)	No additives

Principal characteristics

High molecular weight grade. Balanced stress-strain properties, high rigidity and resistance to cracking

Brand	Segment	Processing Method	Areas of use	MFI (g/10 min)	Density (g/cm3)	Type of polymer	Special additives
HD12443 FE	Geosynthetics; Covering materials	Extrusion	Geosynthetic materials (geogrids, geomembranes, road sheets, building sheets)	0.70 (5 kg)	0.946	High-density polyethylene (HDPE)	Enhanced stabilization recipe with a processing additive

Principal characteristics

Extensive molecular weight distribution, high melt strength, high film tensile strength, puncture and tear resistance.

Brand	Segment	Processing Method	Areas of use	MFI (g/10 min)	Density (g/cm3)	Type of polymer	Special additives
HD12443 FE	Flexible packaging; Industrial and shipping packaging; Other goods; Food products	Extrusion	Bags, packing, industrial packaging	0.70 (5 kg)	0.946	High-density polyethylene (HDPE)	Enhanced stabilization recipe with a processing additive

Principal characteristics

Extensive molecular weight distribution, high melt strength, high film tensile strength, puncture and tear resistance.

Brand	Segment	Processing Method	Areas of use	MFI (g/10 min)	Density (g/cm3)	Type of polymer	Special additives
HD12500 LB	Rigid packaging; Food-grade containers, Water containers	Extrusion blow molding	Vessels (cans, containers, barrels) up to 200 L	0.50 (2.16 kg)	0.952	High-density polyethylene (HDPE)	No additives

Principal characteristics

High molecular weight grade. Balanced stress-strain properties.

Brand	Segment	Processing Method	Areas of use	MFI (g/10 min)	Density (g/cm3)	Type of polymer	Special additives
HD12500 LB	Geosynthetics	Extrusion	Geosynthetic materials (geogrids, geomembranes, road construction sheets, construction sheets)	0.50 (2.16 kg)	0.952	High-density polyethylene (HDPE)	No additives

Principal characteristics

High molecular weight grade. Balanced stress-strain properties.

Brand	Segment	Processing Method	Areas of use	MFI (g/10 min)	Density (g/cm3)	Type of polymer	Special additives
HD12503 FE	Geosynthetics	Extrusion	Geosynthetic materials (geogrids, geomembranes, road sheets, building sheets)	0.53 (5 kg)	0.951	High-density polyethylene (HDPE)	Enhanced stabilization recipe with a processing additive

Principal characteristics

High resistance to cracking and stress-strain properties

Brand	Segment	Processing Method	Areas of use	MFI (g/10 min)	Density (g/cm3)	Type of polymer	Special additives
HD12503 FE	Flexible packaging; Industrial and shipping packaging; Food products; Other goods	Extrusion	Thin films (less than 10 microns), bags, packaging, industrial packaging. Available for use in a mixture with low-flow grades of low-density polyethylene in the recipes of shrink films, films for packaging heavy loads	0.53 (5 kg)	0.951	High-density polyethylene (HDPE)	Enhanced stabilization recipe with a processing additive

Principal characteristics

High resistance to cracking and stress-strain properties

Brand	Segment	Processing Method	Areas of use	MFI (g/10 min)	Density (g/cm3)	Type of polymer	Special additives
HD13570 IM	Beverages; Food industry; Industrial and shipping packaging	Injection molding	Food and industrial containers, pallets, caps, dispensers	13 (2,16 kg)	0,963	High-density polyethylene (HDPE)	Basic stabilization formulation

Principal characteristics	Min flexural modulus (MPa)
Base brand	-

Brand	Segment	Processing Method	Areas of use	MFI (g/10 min)	Density (g/cm3)	Type of polymer	Special additives
HD45552 IM	Rigid packaging; Beverages; Industrial and shipping packaging; Packaging for infusion solutions, blisters, polymer cans	Thermal molding	Food-grade and industrial containers, pallets, containers, boxes, caps	4.5 (2.16 kg)	0.953	High-density polyethylene (HDPE)	UV stabilizer

Principal characteristics
Grade with a special recipe composition (UV)

Brand	Segment	Processing Method	Areas of use	MFI (g/10 min)	Density (g/cm3)	Type of polymer	Special additives
HD80520 FE	Flexible packaging; Food products; Industrial and shipping packaging; Other goods	Extrusion	Thin films (less than 10 microns), bags, packaging, industrial packaging. Available for use in a mixture with low-flow grades of low-density polyethylene in the recipes of shrink films, films for packaging heavy loads	8.0 (21.6 kg)	0.952	High-density polyethylene (HDPE)	Basic stabilization recipe

Principal characteristics

Bimodal grade. Improved balance of mechanical properties combined with good processability, high strength performance and stability of the film sleeve

Brand	Segment	Processing Method	Areas of use	MFI (g/10 min)	Density (g/cm3)	Type of polymer	Special additives
HD85610 IM	Transport infrastructure; Housing construction; Beverages; Rigid packaging; Geosynthetics; Industrial and shipping packaging	Injection molding	Food-grade and industrial containers, pallets, caps, dispensers	7.5 (2.16 kg)	0.963	High-density polyethylene (HDPE)	Basic stabilization recipe with a processing additive

Principal characteristics
Basic grade

Brand	Segment	Processing Method	Areas of use	MFI (g/10 min)	Density (g/cm3)	Type of polymer	Special additives
HD85612 IM	Beverages; Industrial and shipping packaging; Containers for seedlings; Irrigation and land reclamation	Injection molding	Food and industrial containers, pallets, caps, dispensers	7,5 (2,16 kg)	0,963	High-density polyethylene (HDPE)	UV stabilizer, processing additive

Principal characteristics	Min flexural modulus (MPa)
Brand with special formulation composition (UV)	-

Brand	Segment	Processing Method	Areas of use	MFI (g/10 min)	Density (g/cm3)	Type of polymer	Special additives
LD03210 FE	Flexible packaging; Food products; Industrial and shipping packaging; Other goods; Silage and haylage films; Greenhouses with film coating Principal characteristics A special grade with improved optical properties and tear resistance	Extrusion	Shrink films, films for food-grade and non-food-grade packaging	0.30 (2.16 kg)	0.926	Low-density polyethylene (LDPE)	No additives

Brand	Segment	Processing Method	Areas of use	MFI (g/10 min)	Density (g/cm3)	Type of polymer	Special additives
LD03210 FE Pharma	Rigid packaging	Extrusion blow molding	Ampoules and vials for injection/infusion solutions produced using the BFS (blow-fill-seal) technology	0.30 (2.16 kg)	0.927	Low-density polyethylene (LDPE)	No additives

Principal characteristics

High-density grade that allows sterilization at up to 110 °C. Compliance with the requirements of the European Pharmacopoeia

Brand	Segment	Processing Method	Areas of use	MFI (g/10 min)	Density (g/cm3)	Type of polymer	Special additives
LD03270 BM	Rigid packaging	Extrusion blow molding	Ampoules and vials for injection/infusion solutions produced using the BFS (blow-fill-seal) technology	0.30 (2.16 kg)	0.927	Low-density polyethylene (LDPE)	No additives

Principal characteristics

High-density grade that allows sterilization at up to 110 °C. Compliance with the requirements of the European Pharmacopoeia

Brand	Segment	Processing Method	Areas of use	MFI (g/10 min)	Density (g/cm3)	Type of polymer	Special additives
LD08220 FE	Flexible packaging; Food products; Industrial and shipping packaging; Other goods; Silage and haylage films; Greenhouses with film coating Principal characteristics A special grade with improved optical properties. Excellent compatibility with LLDPE	Extrusion	Multilayer films for lamination, general purpose films	0.80 (2.16 kg)	0.923	Low-density polyethylene (LDPE)	No additives

Brand	Segment	Processing Method	Areas of use	MFI (g/10 min)	Density (g/cm3)	Type of polymer	Special additives
LD20220 FE	Flexible packaging; Food products; Industrial and shipping packaging; Other goods; Silage and haylage films; Greenhouses with film coating Principal characteristics A special grade with improved optical properties. Excellent compatibility with LLDPE	Extrusion	Films for food-grade and non-food-grade packaging	2.0 (2.16 kg)	0.926	Low-density polyethylene (LDPE)	No additives

Brand	Segment	Processing Method	Areas of use	MFI (g/10 min)	Density (g/cm3)	Type of polymer	Special additives
LD40200 FA	Flexible packaging; Food products; Other goods	Extrusion	Extrusion coating of paper, cardboard	4.0	0.920	Low-density polyethylene (LDPE)	No additives

Principal characteristics

A special grade for extrusion coatings enables the increase in the output (increase in the irrigation rate by 10–20%, reducing the consumption of irrigation material by 10–15%), stable watering at high speeds, low level of characteristic smoking, reduction in irrigation unevenness, low edge beating

Brand	Segment	Processing Method	Areas of use	MFI (g/10 min)	Density (g/cm3)	Type of polymer	Special additives
LD40200 FA	Automotive components	Foaming	Foamed polyethylene for automobile interior decoration	4.0	0.920	Low-density polyethylene (LDPE)	No additives

Principal characteristics

A special grade for foaming. Enables the increase in the output, obtaining a more uniform foam structure with intense color

Brand	Segment	Processing Method	Areas of use	MFI (g/10 min)	Density (g/cm3)	Type of polymer	Special additives
LD40251 FE	Flexible packaging; Food products	Extrusion	Highly transparent mono- and multilayer cast food-grade films (including sealed packaging)	4,0 (2,16 kg)	0,925	Low-density polyethylene (LDPE)	Antioxidant

Principal characteristics

Excellent optical properties, good processability

Brand	Segment	Processing Method	Areas of use	MFI (g/10 min)	Density (g/cm3)	Type of polymer	Special additives
LD50210 EC	Flexible packaging; Food products; Other goods	Extrusion	Lamination of paper, cardboard, aluminum foil, for food-grade and non-food-grade packaging	5.0	0.921	Low-density polyethylene (LDPE)	No additives

Principal characteristics

Basic polyethylene grade for coating at high application rates. Reduced extractables. Improved rheological properties of products

Brand	Segment	Processing Method	Areas of use	MFI (g/10 min)	Density (g/cm3)	Type of polymer	Special additives
LD75210 EC	Flexible packaging; Food products; Other goods	Extrusion	Lamination of paper, cardboard, aluminum foil, for food-grade and non-food-grade packaging	7.5	0.921	Low-density polyethylene (LDPE)	No additives

Principal characteristics

Basic polyethylene grade for coating at high application rates. Reduced extractables. Improved rheological properties of products

Brand	Segment	Processing Method	Areas of use	MFI (g/10 min)	Density (g/cm3)	Type of polymer	Special additives
LL 30203 FH	Flexible packaging; Food products; Industrial and shipping packaging; Other goods; Silage and haylage films	Extrusion	High-strength stretch film	3.0 (2.16 kg)	0.918	Linear low-density polyethylene (LLDPE)	Basic stabilization recipe with a processing additive

Principal characteristics

Basic grade, triple copolymer of ethylene with butene and hexene

Brand	Segment	Areas of use	MFI (g/10 min)	Density (g/cm3)	Type of polymer	Special additives	Principal characteristics
LL03320 FE	Packaging; Flexible packaging; Transparent non-food-grade films; Silage and haylage films; Greenhouses with film coating	Multilayer sleeve films: general purpose films, consumer packaging films, FFS films, lamination films, agricultural films	0,3 (2,16)	0,932	Linear low-density polyethylene (LLDPE)	Basic recipe for stabilization	Balanced physical and mechanical properties combined with good recyclability. High strength indicators

Brand	Segment	Processing Method	Areas of use	MFI (g/10 min)	Density (g/cm3)	Type of polymer	Special additives
LL09200 FE	Geosynthetics	Extrusion	Geomembranes	0.9 (2.16 kg)	0.920	Linear low-density polyethylene (LLDPE)	Basic stabilization recipe

Principal characteristics

Balanced combination of physicomechanical and optical properties. High strength performance, resistance to punctures, excellent weldability Excellent compatibility with LDPE

Brand	Segment	Processing Method	Areas of use	MFI (g/10 min)	Density (g/cm3)	Type of polymer	Special additives
LL09200 FE	Flexible packaging; Food products; Covering materials; Sleeves for grain storage; Silage and haylage films; Greenhouses with film coating	Extrusion	Films for food-grade and non-food-grade packaging, laminating films, coating films for sealing, industrial films, shopping bags and garbage bags	0.9 (2.16 kg)	0.920	Linear low-density polyethylene (LLDPE)	Basic stabilization recipe

Principal characteristics

Balanced combination of physicomechanical and optical properties. High strength performance, resistance to punctures, excellent weldability Excellent compatibility with LDPE

Brand	Segment	Processing Method	Areas of use	MFI (g/10 min)	Density (g/cm3)	Type of polymer	Special additives
LL20200 FE	Geosynthetics	Extrusion	Geomembranes	2.0 (2.16 kg)	0.920	Linear low-density polyethylene (LLDPE)	Basic stabilization recipe

Principal characteristics

Balanced combination of physicomechanical and optical properties. High strength performance. Excellent compatibility with LDPE

Brand	Segment	Processing Method	Areas of use	MFI (g/10 min)	Density (g/cm3)	Type of polymer	Special additives
LL20200 FE	Flexible packaging; Food products; Other goods; Covering materials; Silage and haylage films; Greenhouses with film coating Principal characteristics Balanced combination of physicomechanical and optical properties. High strength performance. Excellent compatibility with LDPE	Extrusion	General purpose packaging films, lamination films, sealable coating films, agricultural films, bags	2.0 (2.16 kg)	0.920	Linear low-density polyethylene (LLDPE)	Basic stabilization recipe

Brand	Segment	Processing Method	Areas of use	MFI (g/10 min)	Density (g/cm3)	Type of polymer	Special additives
LL20211 FE	Flexible packaging; Food products; Other goods; Silage and haylage films; Greenhouses with film coating	Extrusion	General purpose packaging films, lamination films, bags	2.0 (2.16 kg)	0.921	Linear low-density polyethylene (LLDPE)	Slip agent and anti-blocking additive

Principal characteristics

Improved physicomechanical and optical properties. High strength performance, excellent anti-blocking and slipping properties of the finished film products. Excellent compatibility with LDPE

Brand	Segment	Processing Method	Areas of use	MFI (g/10 min)	Density (g/cm3)	Type of polymer	Special additives
LL30200 FE	Flexible packaging; Food products; Industrial and shipping packaging; Other goods; Covering materials; Silage and haylage films Principal characteristics Balanced combination of physicomechanical and optical properties. The properties and the structure of the polymer ensure high extrusion line performance	Extrusion	General purpose packaging films, lamination films, sealable coating films, agricultural films, bags	3.0 (2.16 kg)	0.919	Linear low-density polyethylene (LLDPE)	Basic stabilization recipe

Brand	Segment	Processing Method	Areas of use	MFI (g/10 min)	Density (g/cm3)	Type of polymer	Special additives
LL30203 FE	Flexible packaging; Food products; Industrial and shipping packaging; Other goods; Silage and haylage films Principal characteristics Basic grade for use both in pure form and in mixtures with LDPE and HDPE	Extrusion	Cast films	3.0 (2.16 kg)	0.920	Linear low-density polyethylene (LLDPE)	Basic stabilization recipe with a processing additive

Brand	Segment	Processing Method	Areas of use	MFI (g/10 min)	Density (g/cm3)	Type of polymer	Special additives
LL45372 RM	Animal house	Rotational molding	Hollow vessels	4,5	0,938	Linear low-density polyethylene (LLDPE)	UV stabilizer

Principal characteristics

Butene linear low density polyethylene. Products made from RM3845UV are resistant to corrosive environments and have a long service life

Brand	Segment	Processing Method	Areas of use	MFI (g/10 min)	Density (g/cm3)	Type of polymer	Special additives
mLL10183 FE	Flexible packaging; Food products; Industrial and shipping packaging; Other goods; Sleeves for grain storage; Silage and haylage films; Polycarbonate greenhouses; Greenhouses with film coating Principal characteristics Metallocene grade with increased puncture resistance	Extrusion	Various film materials	1.0 (2.16 kg)	0.920	Metallocene LLDPE Linear low-density polyethylene (mLLDPE)	Basic stabilization recipe with a processing additive

Brand	Segment	Processing Method	Areas of use	MFI (g/10 min)	Density (g/cm3)	Type of polymer	Special additives
mLL30183 FE	Flexible packaging; Food products; Industrial and shipping packaging; Other goods; Silage and haylage films; Greenhouses with film coating	Extrusion	Cast films	3.0 (2.16 kg)	0.920	Metallocene LLDPE Linear low-density polyethylene (mLLDPE)	Basic stabilization recipe with a processing additive

Principal characteristics

Metallocene grade with increased puncture resistance

Brand	Segment	Processing Method	Areas of use	MFI (g/10 min)	Density (g/cm3)	Type of polymer	Special additives
P3804 — PERT	Pipes	Extrusion	Pressure intra-house pipes for water supply and underfloor heating	12.5 (at 21.6 kg)	0.938	High-density polyethylene (HDPE)	Enhanced stabilization

Principal characteristics

PE-RT Type 1 PE80 class product

Brand	Segment	Processing Method	Areas of use	MFI (g/10 min)	Density (g/cm3)	Type of polymer	Special additives
PE 5118NM	Flexible packaging; Food products; Industrial and shipping packaging; Other goods Principal characteristics Basic grade, triple copolymer of ethylene with butene and hexene	Extrusion	High-strength sleeve and laminated film	1.0 (2.16 kg)	0.918	Linear low-density polyethylene (LLDPE)	Basic stabilization recipe with a processing additive

Brand	Segment	Processing Method	Areas of use	MFI (g/10 min)	Density (g/cm3)	Type of polymer	Special additives
PE MG013 R	Packaging for infusion solutions, blisters, polymer cans	Extrusion blow molding	Ampoules and vials for injection/infusion solutions produced using the BFS (blow-fill-seal) technology	0.30 (2.16 kg)	0.927	Low-density polyethylene (LDPE)	No additives

Principal characteristics

High-density grade that allows sterilization at up to 110 °C. Compliance with the requirements of the European Pharmacopoeia

Brand	Segment	Processing Method	Areas of use	MFI (g/10 min)	Density (g/cm3)	Type of polymer	Special additives
PE MG031 S	Packaging for infusion solutions, blisters, polymer cans	Extrusion blow molding	Containers, tank-type vehicle components	0.30 (2.16 kg)	0.958	High-density polyethylene (HDPE)	No additives

Principal characteristics

Bimodal grade. Balanced stress-strain properties, good processability and high resistance to cracking

Brand	Segment	Processing Method	Areas of use	MFI (g/10 min)	Density (g/cm3)	Type of polymer	Principal characteristics
PE MG053 Q	Medical containers	Injection molding	Caps, lids medical	1.5	0.955	High-density polyethylene (HDPE)	Basic recipe

Modulus of elasticity in bending, not less than, MPa

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Brand	Segment	Processing Method	Areas of use	MFI (g/10 min)	Density (g/cm3)	Type of polymer	Special additives
PE MG253 T	Packaging for infusion solutions, blisters, polymer cans	Extrusion	Lamination of paper, cardboard, aluminum foil, for food-grade and non-food-grade packaging	7.5	0.921	Low-density polyethylene (LDPE)	No additives

Principal characteristics

Basic polyethylene grade for coating at high application rates. Reduced extractables. Improved rheological properties of products

Brand	Segment	Processing Method	Areas of use	MFI (g/10 min)	Density (g/cm3)	Type of polymer	Special additives
PE2NT11–285D	Pipes	Extrusion	General-purpose pipes	8.5 (at 21.6 kg)	0.949	High-density polyethylene (HDPE)	Enhanced stabilization

Principal characteristics

A bimodal product similar to PE100. Long service life, high hydrolytic strength.

Brand	Segment	Processing Method	Areas of use	MFI (g/10 min)	Density (g/cm3)	Type of polymer	Special additives
PE2NT11–9	Geosynthetics	Extrusion	Pressure pipes and fittings for domestic water supply and gas distribution networks	0.18 (5 kg)	0.959	High-density polyethylene (HDPE)	Enhanced stabilization, UV stabilizer

Principal characteristics

A bimodal product of PE100 class. Long service life, high hydrolytic strength. UV resistant.

Brand	Segment	Processing Method	Areas of use	MFI (g/10 min)	Density (g/cm3)	Type of polymer	Special additives
PE2NT21–13	Beverages; Rigid packaging	Injection molding	Food-grade and industrial containers, pallets, caps, dispensers	5.0 (2.16 kg)	0.953	High-density polyethylene (HDPE)	Basic stabilization recipe
	Principal characteristics Increased resistance to cracking						

Brand	Segment	Processing Method	Areas of use	MFI (g/10 min)	Density (g/cm3)	Type of polymer	Special additives
VIVILEN 60rPE 35404 FE	Flexible packaging; Industrial and shipping packaging; Other goods	Extrusion	Mono- and multilayer sleeve films, such as general purpose films, FFS films, agricultural films, consumer packaging films, bags	0.40 (2.16 kg)	0.935	PE	Basic stabilization recipe

Principal characteristics

Polymer compound containing 60% of the secondary fraction from consumer waste (PCR waste). The grade is characterized by high manufacturability. Color: transparent gray

Brand	Segment	Processing Method	Areas of use	MFI (g/10 min)	Density (g/cm3)	Type of polymer	Special additives
VIVILEN 70rPE 25504 FE	Flexible packaging; Transparent food-grade films; Other goods	Extrusion	Shrink film, agricultural films, FFS films, films for consumer packaging	0.30 (2.16 kg)	0.925	PE	Basic stabilization recipe

Principal characteristics

Polymer compound containing 70% of the secondary fraction from consumer waste (PCR waste). The grade is characterized by high manufacturability. Color: transparent gray

Brand	Segment	Processing Method	Areas of use	MFI (g/10 min)	Density (g/cm3)	Type of polymer	Principal characteristics
PE6146KM	Cable insulation	Extrusion	Outer sheath of power and telecommunications cables, outer coating of gas, oil and water pipelines	0.45-0.50	0.946-0.948	High-density polyethylene (HDPE)	The product is characterized by increased resistance to cracking, high strength and impact properties, as well as low temperature characteristics.

Polypropylene

Brand	Segment	Processing Method	Areas of use	MFI (g/10 min)	Min flexural modulus (MPa)	Min Izod impact strength, J/m	Type of polymer
PP I013 GP/5	Rigid packaging; Food products	Thermoforming	Disposable tableware, containers, trays	1.6	1150	-	Polypropylene Block Copolymer (PPB)

Special additives	Principal characteristics
Antistatic additive	Improved antistatic properties

Brand	Segment	Processing Method	Areas of use	MFI (g/10 min)	Min flexural modulus (MPa)	Min Izod impact strength, J/m	Type of polymer
SIBEX PP I302 IM/5	Home care, cosmetics and personal care products	Injection molding	Packaging, buckets, containers, kitchenware	30	1150	-	Polypropylene Block Copolymer (PPB)

Special additives	Principal characteristics
Nucleating agent, antistatic additive	Improved stress-strain properties, for the production of polymer products with high resistance to cracking and frost resistance (increased flexural modulus)

Brand	Segment	Processing Method	Areas of use	MFI (g/10 min)	Min flexural modulus (MPa)	Min Izod impact strength, J/m	Type of polymer
SIBEX PP I302 IM/5	Automotive components	Injection molding	Compounding, automotive products	30	1150	at 23°C, 77 at -20°C — not standardized	Polypropylene Block Copolymer (PPB)

Special additives	Principal characteristics
Nucleating agent, antistatic additive	Improved stress-strain properties, for the production of polymer products with high resistance to cracking and frost resistance (increased flexural modulus)

Brand	Segment	Processing Method	Areas of use	MFI (g/10 min)	Min flexural modulus (MPa)	Type of polymer	Special additives
PP H007 EX	Pipes; Animal house	Extrusion	Inhouse non-pressure pipes and fittings	0.70	1300	Polypropylene Homopolymer (PPH)	Enhanced stabilization

Principal characteristics
Increased melt strength

Brand	Segment	Processing Method	Areas of use	MFI (g/10 min)	Min flexural modulus (MPa)	Type of polymer	Special additives
PP H030 GP	Pipes	Extrusion	Inhouse non-pressure pipes and fittings	3.0	1400	Polypropylene Homopolymer (PPH)	Basic recipe

Principal characteristics

Basic stabilization recipe

Brand	Segment	Processing Method	Areas of use	MFI (g/10 min)	Min flexural modulus (MPa)	Type of polymer	Special additives
PP H030 GP	Geosynthetics	Extrusion	Woven geotextile, waterproofing membranes	3.0	1300	Polypropylene Homopolymer (PPH)	Basic stabilization recipe

Principal characteristics

Basic grade

Brand	Segment	Processing Method	Areas of use	MFI (g/10 min)	Min flexural modulus (MPa)	Type of polymer	Special additives
PP H030 GP	Rigid packaging; Beverages; Food products; Industrial and shipping packaging; Fibers for aquaculture	Thermoforming	Trays for sealing, milk packaging, disposable tableware	3.0	1300	Polypropylene Homopolymer (PPH)	Basic stabilization recipe

Principal characteristics

Basic grade

Brand	Segment	Processing Method	Areas of use	MFI (g/10 min)	Min flexural modulus (MPa)	Type of polymer	Special additives
PP H030 GP	Automotive components	Injection molding	Compounds for exterior, interior and engine compartment parts	3.0 (2.16 kg)	1300	Polypropylene Homopolymer (PPH)	Basic stabilization recipe

Principal characteristics

Basic grade

Brand	Segment	Processing Method	Areas of use	MFI (g/10 min)	Min flexural modulus (MPa)	Type of polymer	Special additives
PP H030 GP	Production of consumer goods; Industrial and shipping packaging	Extrusion	Soft woven packaging (bags, big bags)	3.0	1300	Polypropylene Homopolymer (PPH)	Basic stabilization recipe

Principal characteristics

Basic grade

Brand	Segment	Processing Method	Areas of use	MFI (g/10 min)	Min flexural modulus (MPa)	Type of polymer	Special additives
PP H120 GP	Rigid packaging	Injection molding	Products with medium wall thickness	12	1500	Polypropylene Homopolymer (PPH)	Basic stabilization formulation

Principal characteristics

Base Brand

Brand	Segment	Processing Method	Areas of use	MFI (g/10 min)	Min flexural modulus (MPa)	Type of polymer	Special additives
PP H250 GP	Rigid packaging; Home care, cosmetics and personal care products; Containers for seedlings	Injection molding	Thin-walled products with standard characteristics	25	1500	Polypropylene Homopolymer (PPH)	Basic stabilization recipe

Principal characteristics

Basic grade

Brand	Segment	Processing Method	Areas of use	MFI (g/10 min)	Min flexural modulus (MPa)	Type of polymer	Special additives
PP H250 GP	Automotive components	Compounding	Compounds for exterior, interior and engine compartment parts	25	1500	Polypropylene Homopolymer (PPH)	Basic stabilization recipe

Principal characteristics

Basic grade

Brand	Segment	Processing Method	Areas of use	MFI (g/10 min)	Min flexural modulus (MPa)	Type of polymer	Special additives
PP H270 FF	Geosynthetics; Covering materials	Extrusion	Spunbond for road construction	27	1200	Polypropylene Homopolymer (PPH)	AGF stabilizer

Principal characteristics

High manufacturability, narrow molecular weight distribution, resistance to color change when exposed to the environment and excellent quality of finished products

Brand	Segment	Processing Method	Areas of use	MFI (g/10 min)	Min flexural modulus (MPa)	Type of polymer	Special additives
PP H350 FF	Geosynthetics; Covering materials	Extrusion	Spunbond for road construction	35	1200	Polypropylene Homopolymer (PPH)	AGF stabilizer

Principal characteristics

High manufacturability, narrow molecular weight distribution, resistance to color change when exposed to the environment and excellent quality of finished products

Brand	Segment	Processing Method	Areas of use	MFI (g/10 min)	Min flexural modulus (MPa)	Type of polymer	Special additives
PP H350 GP	Rigid packaging; Home care, cosmetics and personal care products	Injection molding	Thin-walled products with standard characteristics	35	1500	Polypropylene Homopolymer (PPH)	Basic stabilization recipe

Principal characteristics

Basic grade

Brand	Segment	Processing Method	Areas of use	MFI (g/10 min)	Min flexural modulus (MPa)	Type of polymer	Special additives
PP H350 GP	Automotive components	Compounding	Compounds for the manufacture of exterior, interior and engine compartment parts	35	1500	Polypropylene Homopolymer (PPH)	Basic stabilization recipe

Principal characteristics

Basic grade

Brand	Segment	Processing Method	Areas of use	MFI (g/10 min)	Min flexural modulus (MPa)	Type of polymer	Special additives
PP H450 GP	Rigid packaging; Home care, cosmetics and personal care products	Injection molding	Thin-walled products with standard characteristics	45	1500	Polypropylene Homopolymer (PPH)	Basic stabilization recipe

Principal characteristics

Basic grade

Brand	Segment	Processing Method	Areas of use	MFI (g/10 min)	Min flexural modulus (MPa)	Type of polymer	Special additives
PP H450 GP	Automotive components	Injection molding	Compounds for the manufacture of exterior, interior and engine compartment parts	45	1500	Polypropylene Homopolymer (PPH)	Basic stabilization recipe
	Principal characteristics						
	Basic grade						

Brand	Segment	Processing Method	Areas of use	MFI (g/10 min)	Min flexural modulus (MPa)	Type of polymer	Special additives
PP I120 GP/5	Rigid packaging; Food-grade containers, Water containers	Injection molding	Containers, kitchenware	12	1000	Polypropylene Block Copolymer (PPB)	Basic recipe
	Principal characteristics						
	Basic grade						

Brand	Segment	Processing Method	Areas of use	MFI (g/10 min)	Min flexural modulus (MPa)	Min Izod impact strength, J/m	Type of polymer
PP I120 GP/5	Automotive components; Containers for seedlings	Injection molding	Vehicle components	12	1000	23°C – 85; -20°C – 35; -40°C – not determined	Polypropylene Block Copolymer (PPB)

Special additives	Principal characteristics
Basic recipe	Increased long-term thermal stability, resistance to thermo-oxidative degradation during processing and final product use

Brand	Segment	Processing Method	Areas of use	MFI (g/10 min)	Min flexural modulus (MPa)	Type of polymer	Special additives
PP MG012 D	Packaging for infusion solutions, blisters, polymer cans	Extrusion blow molding	Vials for injection/infusion solutions produced using the BFS (blow-fill-seal) technology	1.8	900	Polypropylene Random Copolymer (PPR)	Basic stabilization recipe

Principal characteristics

High chemical purity. The sterilization temperature is 121 °C. Compliance with the requirements of the European Pharmacopoeia

Brand	Segment	Processing Method	Areas of use	MFI (g/10 min)	Min flexural modulus (MPa)	Type of polymer	Principal characteristics
PP MG033 D	Packaging for infusion solutions, blisters, polymer cans	Injection stretch blow molding	Vials for injection/infusion solutions	8.5	1050	Polypropylene Random Copolymer (PPR)	High chemical purity, good processability

Additional parameters

Basic stabilization formulation

Brand	Segment	Processing Method	Areas of use	MFI (g/10 min)	Min flexural modulus (MPa)	Min Izod impact strength, J/m	Type of polymer
PP MG043 B	Rigid packaging; Food products	Injection molding	Products with an average wall thickness	12	1500	-	Polypropylene Homopolymer (PPH)

Special additives	Principal characteristics
Basic stabilization recipe	Basic grade

Brand	Segment	Processing Method	Areas of use	MFI (g/10 min)	Min flexural modulus (MPa)	Type of polymer	Special additives
PP MG055 F	Syringes; Packaging for infusion solutions, blisters, polymer cans	Injection molding	Thin-walled products with standard characteristics	25	1500	Polypropylene Homopolymer (PPH)	Basic stabilization recipe

Principal characteristics
Basic grade

Brand	Segment	Processing Method	Areas of use	MFI (g/10 min)	Min flexural modulus (MPa)	Type of polymer	Special additives
PP MG062 B	Rigid packaging; Food products	Injection molding	Products with an average wall thickness	12	1500	Polypropylene Homopolymer (PPH)	Basic stabilization recipe

Principal characteristics

Basic grade

Brand	Segment	Processing Method	Areas of use	MFI (g/10 min)	Min flexural modulus (MPa)	Type of polymer	Special additives
PP MG072 B	Rigid packaging; Food products	Injection molding	Products with an average wall thickness	12	1500	Polypropylene Homopolymer (PPH)	Basic stabilization recipe

Principal characteristics

Basic grade

Brand	Segment	Processing Method	Areas of use	MFI (g/10 min)	Min flexural modulus (MPa)	Type of polymer	Special additives
PP MG075 A	Products of non-woven materials	Extrusion	Spunbond for hygienic, medical products	35	1200	Polypropylene Homopolymer (PPH)	AGF stabilizer

Principal characteristics

Spunbond for hygienic, medical products

Brand	Segment	Processing Method	Areas of use	MFI (g/10 min)	Min flexural modulus (MPa)	Type of polymer	Special additives
PP MG085 C	Syringes; Medical containers	Injection molding	Syringe cylinder	40	950	Polypropylene Random Copolymer (PPR)	Clarifier, slip agent and antistatic additive

Principal characteristics

A special grade for high-speed casting with high fluidity and transparency. Enhanced gloss of the product surface

Brand	Segment	Processing Method	Areas of use	MFI (g/10 min)	Min flexural modulus (MPa)	Type of polymer	Special additives
PP MG093 A	Products of non-woven materials	Extrusion	Spunbond for hygienic, medical products	27	1200	Polypropylene Homopolymer (PPH)	AGF stabilizer

Principal characteristics

High processability, narrow molecular weight distribution, resistance to color change under the influence of the environment and excellent quality of finished products

Brand	Segment	Processing Method	Areas of use	MFI (g/10 min)	Min flexural modulus (MPa)	Type of polymer	Special additives
PP MG095 F	Medical containers; Syringes	Injection molding	Containers, vessels	45	1700	Polypropylene Homopolymer (PPH)	Clarifier, antistatic additive

Principal characteristics
A special grade for high-speed casting with increased transparency

Brand	Segment	Processing Method	Areas of use	MFI (g/10 min)	Min flexural modulus (MPa)	Min Izod impact strength, J/m	Type of polymer
PP MG115 B	Medical containers; Syringes	Injection molding	Containers, vessels	55	1700	-	Polypropylene Homopolymer (PPH)

Special additives	Principal characteristics
Nucleating agent, antistatic additive	A special grade for high-speed casting with high fluidity and increased rigidity

Brand	Segment	Processing Method	Areas of use	MFI (g/10 min)	Min flexural modulus (MPa)	Type of polymer	Principal characteristics
PP MG124 C	Medical containers; Syringes	Injection molding	Containers, vessels	48	1200	Polypropylene Random Copolymer (PPR)	Clarifier, slip and antistatic additives

Brand	Segment	Processing Method	Areas of use	MFI (g/10 min)	Min flexural modulus (MPa)	Min Izod impact strength, J/m	Type of polymer
PP MG132 A	Products of non-woven materials	Extrusion	Spunbond for hygienic, medical products	27	1200	-	Polypropylene Homopolymer (PPH)

Special additives	Principal characteristics
AGF stabilizer	Mephthalate-free, narrow molecular weight distribution, high processability, resistance to environmental color change, and excellent quality of the finished products

Brand	Segment	Processing Method	Areas of use	MFI (g/10 min)	Min flexural modulus (MPa)	Min Izod impact strength, J/m	Type of polymer
PP MG153 F	Medical containers; Syringes	Injection molding	Containers, vessels	45	1800	-	Polypropylene Homopolymer (PPH)

Special additives	Principal characteristics
Nucleating agent, antistatic additive	A special grade for high-speed casting with increased rigidity

Brand	Segment	Processing Method	Areas of use	MFI (g/10 min)	Min flexural modulus (MPa)	Type of polymer	Special additives
PP MG203 C	Medical containers; Syringes	Injection molding	Containers, vessels	60	950	Polypropylene Random Copolymer (PPR)	Clarifier, slip agent and antistatic additive

Principal characteristics
A special grade for high-speed casting with high fluidity and transparency. Enhanced gloss of the product surface

Brand	Segment	Processing Method	Areas of use	MFI (g/10 min)	Min flexural modulus (MPa)	Type of polymer	Special additives
PP MG402 C	Syringes	Injection molding	Thin-walled products with high transparency (syringes, biomaterial containers)	80	950	Polypropylene Random Copolymer (PPR)	Clarifier, slip agent and antistatic additive

Principal characteristics
A special grade for high-speed casting with high fluidity and transparency. Enhanced gloss of the product surface

Brand	Segment	Processing Method	Areas of use	MFI (g/10 min)	Type of polymer	Principal characteristics
PP MG602 A	Products of non-woven materials	Extrusion	Meltblown nonwovens for medical and hygiene products	1200	Polypropylene Homopolymer (PPH)	Peroxide-free formulation

Brand	Segment	Processing Method	Areas of use	MFI (g/10 min)	Min flexural modulus (MPa)	Type of polymer	Special additives
SIBEX PP H022 CM	Rigid packaging; Beverages	Compression molding	Caps for different purposes	2.5	1500	Polypropylene Homopolymer (PPH)	Nucleating agent, antistatic additive
	Principal characteristics A special mark for compression molding with high manufacturability, increased resistance to cracking, easy removal from the mold						

Brand	Segment	Processing Method	Areas of use	MFI (g/10 min)	Min flexural modulus (MPa)	Type of polymer	Special additives
SIBEX PP H031 BF	Food products	Extrusion	Biaxially oriented mono- and multilayer films for food-grade and non-food-grade packaging; films with metallization	3.0	1400	Polypropylene Homopolymer (PPH)	Enhanced stabilization recipe, contains no metal stearates

Principal characteristics

The grade provides high line performance, process stability in a wide range of thicknesses, excellent optical properties and a stable profile of finished films

Brand	Segment	Processing Method	Areas of use	MFI (g/10 min)	Min flexural modulus (MPa)	Min Izod impact strength, J/m	Type of polymer
SIBEX PP H032 TF	Rigid packaging; Food products; Containers for seedlings	Thermoforming	Trays for sealing, milk packaging, disposable tableware	3.0	1700	-	Polypropylene Homopolymer (PPH)

Special additives	Principal characteristics
Nucleating agent, antistatic additive	A grade with improved stress-strain and thermal-physical properties that provide enhanced thermoforming line performance and product appearance

Brand	Segment	Processing Method	Areas of use	MFI (g/10 min)	Min flexural modulus (MPa)	Type of polymer	Special additives
SIBEX PP H033 FF	Production of consumer goods; Industrial and shipping packaging; Hay-knitting twine; Roofing and waterproofing; Geosynthetics Principal characteristics Grade with low droplet entrainment	Extrusion	Soft woven packaging (bags, big bags, railcar liners, liner bags). Woven geotextile, waterproofing membranes	3.0	1400	Polypropylene Homopolymer (PPH)	A special recipe that provides low droplet entrainment

Brand	Segment	Processing Method	Areas of use	MFI (g/10 min)	Min flexural modulus (MPa)	Type of polymer	Special additives
SIBEX PP H035 BF	Food products; Rigid packaging	Extrusion	Biaxially oriented multilayer films for food-grade and non-food-grade packaging, including metallized with advanced requirements for different thickness	3.0	1400	Polypropylene Homopolymer (PPH)	Enhanced stabilization recipe, metal stearates and phthalates free

Principal characteristics

A modified grade that provides improved process stability at increased line performance, very low film thickness, balanced mechanical and improved optical properties of finished films. Meets the current requirements of end-users for the absence of phthalates

Brand	Segment	Processing Method	Areas of use	MFI (g/10 min)	Min flexural modulus (MPa)	Type of polymer	Special additives
SIBEX PP H036 BF	Food products; Rigid packaging	Extrusion	Biaxially oriented mono- and multilayer films for food-grade and non-food-grade packaging; films with metallization	3.0	1500	Polypropylene Homopolymer (PPH)	Enhanced stabilization recipe, contains no metal stearates. Contains no phthalates

Principal characteristics

The grade provides high line performance, process stability in a wide range of thicknesses, excellent optical, strength properties and improved thickness profile stability of finished films. Meets the current requirements of end-users for the absence of phthalates

Brand	Segment	Processing Method	Areas of use	MFI (g/10 min)	Min flexural modulus (MPa)	Min Izod impact strength, J/m	Type of polymer
SIBEX PP H038 TF	Rigid packaging; Food products	Thermoforming	Trays for sealing, milk packaging, disposable tableware	3.0	1800	-	Polypropylene Homopolymer (PPH)

Special additives	Principal characteristics
Nucleating agent, antistatic additive. Contains no phthalates	A grade with improved stress-strain and thermal-physical properties that provide enhanced thermoforming line performance and product appearance. The grade contains no phthalates, meeting the current requirements of end consumers

Brand	Segment	Processing Method	Areas of use	MFI (g/10 min)	Min flexural modulus (MPa)	Min Izod impact strength, J/m	Type of polymer
SIBEX PP H039 TF	Rigid packaging; Food products; Containers for seedlings	Thermoforming	Sealing trays, milk packaging, disposable tableware, group packaging	3.0	2000	-	Polypropylene Homopolymer (PPH)

Special additives	Principal characteristics
Nucleating agent, antistatic additive	A grade with a special stabilization recipe composition, providing high optical performance, improved stress-strain and thermal-physical properties, as well as enhanced thermoforming line performance and product appearance

Brand	Segment	Processing Method	Areas of use	MFI (g/10 min)	Min flexural modulus (MPa)	Type of polymer	Special additives
SIBEX PP H043 FF	Roofing and waterproofing; Geosynthetics	Extrusion	Heavy thread for fabric production, woven geotextile, waterproofing membranes	4.3 (2.16 kg)	1400	Polypropylene Homopolymer (PPH)	A special recipe that provides low droplet entrainment

Principal characteristics

Processing at speeds up to 500 m/min, improved processability (reduced load on the extruder drive), increased processing stability, reduced droplet entrainment

Brand	Segment	Processing Method	Areas of use	MFI (g/10 min)	Min flexural modulus (MPa)	Type of polymer	Special additives
SIBEX PP H043 FF	Production of consumer goods; Roofing and waterproofing; Geosynthetics; Industrial and shipping packaging; Hay-knitting twine Principal characteristics Processing at speeds up to 500 m/min, improved processability (reduced load on the extruder drive), increased processing stability, reduced droplet entrainment	Extrusion	Soft woven packaging (bags, big bags, railcar liners, liner bags)	4.3 (2.16 kg)	1400	Polypropylene Homopolymer (PPH)	A special recipe that provides low droplet entrainment

Brand	Segment	Processing Method	Areas of use	MFI (g/10 min)	Min flexural modulus (MPa)	Type of polymer	Special additives
SIBEX PP H063 FF	Roofing and waterproofing; Geosynthetics; Industrial and shipping packaging	Extrusion	Lightweight thread for the production of lightweight fabric, woven geotextile, waterproofing membranes	6.0 (2.16 kg)	1300	Polypropylene Homopolymer (PPH)	A special recipe that provides low droplet entrainment

Principal characteristics

Processing at speeds up to 500 m/min, improved processability (reduced load on the extruder drive), increased processing stability, reduced droplet entrainment

Brand	Segment	Processing Method	Areas of use	MFI (g/10 min)	Min flexural modulus (MPa)	Type of polymer	Special additives
SIBEX PP H063 FF	Geosynthetics	Extrusion	Soft woven packaging (bags)	6.0 (2.16 kg)	1300	Polypropylene Homopolymer (PPH)	A special recipe that provides low droplet entrainment

Principal characteristics

Processing at speeds up to 500 m/min, improved processability (reduced load on the extruder drive), increased processing stability, reduced droplet entrainment

Brand	Segment	Processing Method	Areas of use	MFI (g/10 min)	Min flexural modulus (MPa)	Type of polymer	Special additives
SIBEX PP H080 CF	Flexible packaging; Rigid packaging; Food products; Other goods	Extrusion	Non-metallized multilayer CPP films for food-grade (groceries, confectionery, bakery products, etc.) and non-food-grade packaging (flowers, stationery)	8.0	1300	Polypropylene Homopolymer (PPH)	Basic recipe

Principal characteristics

Standard molecular weight distribution of polymer and balanced stress-strain properties of finished film products

Brand	Segment	Processing Method	Areas of use	MFI (g/10 min)	Min flexural modulus (MPa)	Type of polymer	Special additives
SIBEX PP H080 CF/5	Flexible packaging; Food products; Other goods	Extrusion	Multilayer non-metallized CPP films for packaging and lamination of food products (groceries, bakery products, confectionery, etc.) and non-food-grade packaging (flowers, stationery)	8	1250	Polypropylene Homopolymer (PPH)	Basic recipe
	Principal characteristics Balanced stress-strain properties of finished film products						

Brand	Segment	Processing Method	Areas of use	MFI (g/10 min)	Min flexural modulus (MPa)	Type of polymer	Special additives
SIBEX PP H081 CF	Flexible packaging; Rigid packaging; Food products; Other goods	Extrusion	Multilayer metallized CPP films for food-grade (groceries, confectionery, bakery products, etc.) and non-food-grade packaging (flowers, stationery)	8.0	1300	Polypropylene Homopolymer (PPH)	Enhanced stabilization recipe
	Principal characteristics Improved consumer and stress-strain properties of finished film products						

Brand	Segment	Processing Method	Areas of use	MFI (g/10 min)	Min flexural modulus (MPa)	Type of polymer	Special additives
SIBEX PP H085 CF	Flexible packaging; Rigid packaging; Food products; Other goods	Extrusion	Multilayer non-metallized CPP films for packaging and lamination of food products (groceries, bakery products, confectionery, etc.) and non-food-grade packaging (flowers, stationery)	8.0	1300	Polypropylene Homopolymer (PPH)	Slip agent and anti-blocking additive
	Principal characteristics Improved slipping and anti-blocking properties of finished film products, high gloss and transparency						

Brand	Segment	Processing Method	Areas of use	MFI (g/10 min)	Min flexural modulus (MPa)	Type of polymer	Special additives
SIBEX PP H253 FF	Geosynthetics	Extrusion	Continuous fiber and multifilaments, staple fiber for industrial applications (woven and nonwoven geotextiles, geomats, geogrid)	25 (2.16 kg)	1200	Polypropylene Homopolymer (PPH)	A special recipe with enhanced thermal stability of the melt and increased resistance to thermal oxidative degradation during the product use

Principal characteristics

High manufacturability, standard molecular weight distribution, resistance to color change when exposed to the environment and excellent quality of finished products

Brand	Segment	Processing Method	Areas of use	MFI (g/10 min)	Min flexural modulus (MPa)	Type of polymer	Special additives
SIBEX PP H253 FF	Non-woven materials, filament yarn	Extrusion	Interior accessories (continuous fiber and multifilament, carpet yarn products)	25 (2.16 kg)	1200	Polypropylene Homopolymer (PPH)	AGF stabilizer
	Principal characteristics High manufacturability and excellent quality of finished products						

Brand	Segment	Processing Method	Areas of use	MFI (g/10 min)	Min flexural modulus (MPa)	Type of polymer	Special additives
SIBEX PP H253 FF	Geosynthetics	Extrusion	Continuous fiber and multifilaments, staple fiber for industrial applications (woven and non-woven geotextiles, geomats, geogrid)	25 (2.16 kg)	1200	Polypropylene Homopolymer (PPH)	Special recipe with enhanced melt thermal stability and increased resistance to thermal oxidative degradation during the product use

Principal characteristics

High manufacturability, standard molecular weight distribution, resistance to color change when exposed to the environment and excellent quality of finished products

Brand	Segment	Processing Method	Areas of use	MFI (g/10 min)	Min flexural modulus (MPa)	Type of polymer	Special additives
SIBEX PP H451 IM	Rigid packaging; Home care, cosmetics and personal care products	Injection molding	Highly transparent thin-walled products	45	1700	Polypropylene Homopolymer (PPH)	Clarifier, antistatic additive

Principal characteristics

A special grade for high-speed casting with increased transparency

Brand	Segment	Processing Method	Areas of use	MFI (g/10 min)	Min flexural modulus (MPa)	Min Izod impact strength, J/m	Type of polymer
SIBEX PP H452 IM	Rigid packaging; Home care, cosmetics and personal care products; Containers for seedlings	Injection molding	Thin-walled products of standard transparency with high rigidity	45	1800	-	Polypropylene Homopolymer (PPH)

Special additives

Nucleating agent, antistatic additive

Principal characteristics

A special grade for high-speed casting with increased rigidity

Brand	Segment	Processing Method	Areas of use	MFI (g/10 min)	Min flexural modulus (MPa)	Min Izod impact strength, J/m	Type of polymer
SIBEX PP H552 IM	Rigid packaging; Home care, cosmetics and personal care products	Injection molding	Thin-walled products of standard transparency and complex geometry	55	1700	-	Polypropylene Homopolymer (PPH)

Special additives	Principal characteristics
Nucleating agent, antistatic additive	A special grade for high-speed casting with high fluidity and increased rigidity

Brand	Segment	Processing Method	Areas of use	MFI (g/10 min)	Min flexural modulus (MPa)	Type of polymer	Special additives
SIBEX PP I003 EX	Pipes	Extrusion	Corrugated pipes	0.30 (2.16 kg)	1450	Polypropylene Block Copolymer (PPB)	Enhanced stabilization

Principal characteristics
High impact strength. Available for installation at temperatures below zero

Brand	Segment	Processing Method	Areas of use	MFI (g/10 min)	Min flexural modulus (MPa)	Type of polymer	Special additives
SIBEX PP I013 EX/5	Rigid packaging; Food-grade containers, Water containers; Food products Principal characteristics Improved stress-strain properties, for the production of polymer products with high resistance to cracking and frost resistance	Thermoforming	Containers, kitchenware, packaging containers	1.6	1350	Polypropylene Block Copolymer (PPB)	Nucleating agent, antistatic additive

Brand	Segment	Processing Method	Areas of use	MFI (g/10 min)	Min flexural modulus (MPa)	Min Izod impact strength, J/m	Type of polymer
SIBEX PP I013 EX/5	Automotive components	Extrusion blow molding	Battery housings, automotive products made by extrusion and blow molding	1.6	1350	at 23°C 500 at -20°C — not standardized at -40°C – not determined	Polypropylene Block Copolymer (PPB)

Special additives	Principal characteristics
Nucleating agent, antistatic additive	Improved stress-strain properties, for the production of polymer products with high resistance to cracking and frost resistance

Brand	Segment	Processing Method	Areas of use	MFI (g/10 min)	Min flexural modulus (MPa)	Type of polymer	Special additives
SIBEX PP I062 CC/5	Rigid packaging; Beverages	Injection molding	Caps for different purposes	6	1250	Polypropylene Block Copolymer (PPB)	Nucleating agent, sliding and antistatic additives
	Principal characteristics A special grade for compression molding with high manufacturability, increased resistance to cracking, easy removal from the mold						

Brand	Segment	Processing Method	Areas of use	MFI (g/10 min)	Min flexural modulus (MPa)	Min Izod impact strength, J/m	Type of polymer
SIBEX PP I083 IM/5	Automotive components	Injection molding	Battery cases, finishing materials for luggage bags, cables and wires	8	1100	23°C – 90; -20°C – 35; -40°C – not determined	Polypropylene Block Copolymer (PPB)

Principal characteristics
Increased long-term thermal stability, improved resistance to thermal oxidative degradation in PP processing and product use

Brand	Segment	Processing Method	Areas of use	MFI (g/10 min)	Min flexural modulus (MPa)	Min Izod impact strength, J/m	Type of polymer
SIBEX PP I122 IM	Rigid packaging; Food products; Other goods	Injection molding	Thick-walled non-transparent products	12	1350	-	Polypropylene Block Copolymer (PPB)

Special additives	Principal characteristics
Nucleating agent	A special grade with balanced rigidity and impact resistance

Brand	Segment	Processing Method	Areas of use	MFI (g/10 min)	Min flexural modulus (MPa)	Min Izod impact strength, J/m	Type of polymer
SIBEX PP I122 IM	Automotive components	Compounding	Compounds for exterior, interior and engine compartment parts	12	1350	-	Polypropylene Block Copolymer (PPB)

Special additives	Principal characteristics
Nucleating agent	A special grade with balanced rigidity and impact resistance

Brand	Segment	Processing Method	Areas of use	MFI (g/10 min)	Min flexural modulus (MPa)	Min Izod impact strength, J/m	Type of polymer
SIBEX PP I122 IM/5	Automotive components	Injection molding	Automotive products	12.5	1300	at 23°C, 85 at -20°C — not standardized at -40°C – not determined	Polypropylene Block Copolymer (PPB)

Special additives	Principal characteristics
-	Improved stress-strain properties for the production of polymer products with high resistance to cracking and frost resistance (increased flexural modulus)

Brand	Segment	Processing Method	Areas of use	MFI (g/10 min)	Min flexural modulus (MPa)	Type of polymer	Special additives
SIBEX PP I212 IM/5	Rigid packaging; Home care, cosmetics and personal care products	Injection molding	Thin-walled non-transparent products	20	1150	Polypropylene Block Copolymer (PPB)	Nucleating agent, antistatic additive

Principal characteristics

A special grade for casting with increased rigidity, low warping

Brand	Segment	Processing Method	Areas of use	MFI (g/10 min)	Min flexural modulus (MPa)	Min Izod impact strength, J/m	Type of polymer
SIBEX PP I452 IM	Rigid packaging; Home care, cosmetics and personal care products	Injection molding	Thin-walled non-transparent products	45	1500	-	Polypropylene Block Copolymer (PPB)

Special additives

Nucleating agent, antistatic additive

Principal characteristics

A special grade for high-speed casting with high processing speed, increased rigidity, low warping

Brand	Segment	Processing Method	Areas of use	MFI (g/10 min)	Min flexural modulus (MPa)	Min Izod impact strength, J/m	Type of polymer
SIBEX PP I452 IM	Automotive components	Compounding	Compounds for exterior, interior and engine compartment parts	45	1500	-	Polypropylene Block Copolymer (PPB)

Special additives	Principal characteristics
Nucleating agent, antistatic additive	A special grade for high-speed casting with high processing speed, increased rigidity, low warping

Brand	Segment	Processing Method	Areas of use	MFI (g/10 min)	Min flexural modulus (MPa)	Min Izod impact strength, J/m	Type of polymer
SIBEX PP I452 IM/5	Rigid packaging; Home care, cosmetics and personal care products; Containers for seedlings	Injection molding	Thin-walled non-transparent products	42	1200	-	Polypropylene Block Copolymer (PPB)

Special additives	Principal characteristics
Nucleating agent, antistatic additive	A special grade for high-speed casting with high processing speed, increased rigidity, low warping

Brand	Segment	Processing Method	Areas of use	MFI (g/10 min)	Min flexural modulus (MPa)	Type of polymer	Special additives
SIBEX PP I452 IM/5	Automotive components	Injection molding	Automotive parts	42	1200	Polypropylene Block Copolymer (PPB)	Nucleating agent, antistatic additive

Principal characteristics

A special grade for high-speed casting with high processing speed, increased rigidity, low warping

Brand	Segment	Processing Method	Areas of use	MFI (g/10 min)	Min flexural modulus (MPa)	Min Izod impact strength, J/m	Type of polymer
SIBEX PP I602 IM/5	Rigid packaging; Home care, cosmetics and personal care products	Injection molding	Packaging, buckets, containers, kitchenware	60	1300	-	Polypropylene Block Copolymer (PPB)

Special additives

Nucleating agent, antistatic additive

Principal characteristics

A special grade for casting with high impact resistance

Brand	Segment	Processing Method	Areas of use	MFI (g/10 min)	Min flexural modulus (MPa)	Type of polymer	Special additives
SIBEX PP I802 IM/5	Rigid packaging; Automotive components; Food-grade containers, Water containers	Injection molding	Packaging, buckets, containers, kitchenware	80	1300	Polypropylene Block Copolymer (PPB)	Nucleating agent, antistatic additive

Principal characteristics

Improved stress-strain properties (flexural modulus and impact resistance balance)

Brand	Segment	Processing Method	Areas of use	MFI (g/10 min)	Min flexural modulus (MPa)	Type of polymer	Special additives
SIBEX PP R003 EX	Pipes	Extrusion	Domestic pressure pipes and fittings for water supply and heating	0.30 (2.16 kg)	800	Polypropylene Random Copolymer (PPR)	Enhanced stabilization

Principal characteristics

Hydrolytic strength

Brand	Segment	Processing Method	Areas of use	MFI (g/10 min)	Min flexural modulus (MPa)	Type of polymer	Special additives
SIBEX PP R015 BM/5	Rigid packaging	Extrusion blow molding	Vials for injection/infusion solutions produced using the BFS (blow-fill-seal) technology	1.8	900	Polypropylene Random Copolymer (PPR)	Basic stabilization recipe

Principal characteristics

High chemical purity. The sterilization temperature is 121 °C. Compliance with the requirements of the European Pharmacopoeia

Brand	Segment	Processing Method	Areas of use	MFI (g/10 min)	Min flexural modulus (MPa)	Min Izod impact strength, J/m	Type of polymer
SIBEX PP R020 BM/5	Rigid packaging; Food products; Packaging for infusion solutions, blisters, polymer cans	Extrusion blow molding	Bottles, packaging containers and other large and medium-size hollow parts	1.8	950	-	Polypropylene Random Copolymer (PPR)

Special additives	Principal characteristics
Clarifier	A special grade with enhanced transparency

Brand	Segment	Processing Method	Areas of use	MFI (g/10 min)	Min flexural modulus (MPa)	Type of polymer	Special additives
SIBEX PP R085 CF/5	Flexible packaging; Food products; Other goods	Extrusion	Multilayer non-metallized CPP films for packaging and lamination of food products (groceries, bakery products, confectionery, etc.) and non-food-grade packaging (flowers, stationery)	8,5	1050	Polypropylene Random Copolymer (PPR)	Slip agent, anti-blocking additive
	Principal characteristics Improved slipping and anti-blocking properties of finished film products, high gloss and transparency						

Brand	Segment	Processing Method	Areas of use	MFI (g/10 min)	Min flexural modulus (MPa)	Type of polymer	Special additives
SIBEX PP R401 IM/5	Rigid packaging	Injection molding	Highly transparent thin-walled food-grade products (transparent containers, lids)	40	950	Polypropylene Random Copolymer (PPR)	Clarifier, slip agent and antistatic additive

Principal characteristics

A special grade for high-speed casting with high fluidity and transparency. Enhanced gloss of the product surface

Brand	Segment	Processing Method	Areas of use	MFI (g/10 min)	Min flexural modulus (MPa)	Min Izod impact strength, J/m	Type of polymer
SIBEX PP R481 IM	Rigid packaging; Home care, cosmetics and personal care products	Injection molding	Highly transparent thin-walled products	48	1050	-	Polypropylene Block Copolymer (PPB)

Special additives	Principal characteristics
Clarifier, antistatic additive	A special grade for high-speed casting with high fluidity, transparency and processing speed

Brand	Segment	Processing Method	Areas of use	MFI (g/10 min)	Min flexural modulus (MPa)	Type of polymer	Special additives
SIBEX PP R651 IM/5	Rigid packaging; Food-grade containers, Water containers	Injection molding	Highly transparent thin-walled food-grade products (transparent containers, lids)	60	950	Polypropylene Random Copolymer (PPR)	Clarifier, slip agent and antistatic additive
	Principal characteristics A special grade for high-speed casting with high fluidity and transparency. Enhanced gloss of the product surface						

Brand	Segment	Processing Method	Areas of use	MFI (g/10 min)	Min flexural modulus (MPa)	Type of polymer	Special additives
SIBEX PP R801 IM/5	Rigid packaging; Food-grade containers, Water containers	Injection molding	Highly transparent thin-walled food-grade products (transparent containers, lids)	80	950	Polypropylene Random Copolymer (PPR)	Clarifier, slip agent and antistatic additive

Principal characteristics

A special grade for high-speed casting with high fluidity and transparency. Enhanced gloss of the product surface

Brand	Segment	Processing Method	Areas of use	MFI (g/10 min)	Min flexural modulus (MPa)	Min Izod impact strength, J/m	Type of polymer
SIBEX PP T042 IM/5	Rigid packaging; Industrial and shipping packaging; Other goods	Injection molding	Containers	4.0	1000	-	Polypropylene Block Copolymer (PPB)

Special additives

Nucleating agent

Principal characteristics

A special grade for casting with high impact resistance

Brand	Segment	Processing Method	Areas of use	MFI (g/10 min)	Min flexural modulus (MPa)	Min Izod impact strength, J/m	Type of polymer
SIBEX PP T082 IM/5	Rigid packaging; Industrial and shipping packaging; Other goods	Injection molding	Containers, lids	8.5	1000	-	Polypropylene Block Copolymer (PPB)

Special additives	Principal characteristics
Nucleating agent	A special grade for casting with high impact resistance

Brand	Segment	Processing Method	Areas of use	MFI (g/10 min)	Min flexural modulus (MPa)	Min Izod impact strength, J/m	Type of polymer
SIBEX PP T122 IM/5	Rigid packaging; Food products; Industrial and shipping packaging; Other goods	Injection molding	High-quality food-grade packaging for freezing applications	11.5	1000	-	Polypropylene Block Copolymer (PPB)

Special additives	Principal characteristics
Nucleating agent	Increased resistance to thermal oxidative degradation in the PP production process

Brand	Segment	Processing Method	Areas of use	MFI (g/10 min)	Min flexural modulus (MPa)	Min Izod impact strength, J/m	Type of polymer
SIBEX PP T122 IM/5	Automotive components	Injection molding	Vehicle components	11.5	1000	at 23°C, 400 at -20°C, 60 at -40°C – not determined	Polypropylene Block Copolymer (PPB)

Special additives	Principal characteristics
Nucleating agent	Increased resistance to thermal oxidative degradation in the PP production process

Brand	Segment	Processing Method	Areas of use	MFI (g/10 min)	Min flexural modulus (MPa)	Min Izod impact strength, J/m	Type of polymer
SIBEX PP T172 IM/5	Rigid packaging; Food products; Industrial and shipping packaging; Other goods	Injection molding	Food-grade packaging	19	850	-	Polypropylene Block Copolymer (PPB)

Special additives	Principal characteristics
Nucleating agent	Increased long-term thermal stability, resistance to thermal oxidative degradation during the PP production, its processing and product use. Efficient nucleation

Brand	Segment	Processing Method	Areas of use	MFI (g/10 min)	Min flexural modulus (MPa)	Min Izod impact strength, J/m	Type of polymer
SIBEX PP T192 IM/5	Rigid packaging; Industrial and shipping packaging; Other goods	Injection molding	Packaging	20	850	-	Polypropylene Block Copolymer (PPB)

Special additives	Principal characteristics
Nucleating agent, impact strength modifier	A special grade for casting with high impact resistance

Brand	Segment	Processing Method	Areas of use	MFI (g/10 min)	Min flexural modulus (MPa)	Min Izod impact strength, J/m	Type of polymer
SIBEX PP T192 IM/5	Automotive components	Injection molding	Vehicle components	20	850	at 23°C, 500 at — 20°C, 80	Polypropylene Block Copolymer (PPB)

Special additives	Principal characteristics
Nucleating agent, impact strength modifier	A special grade for casting with high impact resistance

Brand	Segment	Processing Method	Areas of use	MFI (g/10 min)	Min flexural modulus (MPa)	Min Izod impact strength, J/m	Type of polymer
VIVILEN 25rPP I33012 IM	Rigid packaging; Home care, cosmetics and personal care products	Injection molding	Containers and buckets for non-food-grade products	33	1300	-	Polypropylene Block Copolymer (PPB)

Special additives	Principal characteristics
Special stabilization recipe to improve organoleptic and stress-strain properties	Polymer compound containing 25% of the secondary fraction from consumer waste (PCR waste). The grade is characterized by reduced odor and high manufacturability. Color: grey

Neonol

Brand	Segment	Areas of use	Pt/Co colority (Hazen), under	Mass fraction of impurities (%), NMT (including water)	Turbidity temperature of NIS aqueous solution with concentration of 10 g/dm3 (°C)	Hydrogen ion concentrations (pH): of an aqueous solution with a concentration of NIS 10 g/dm3
Neonol AF 9-10	Chemical industry; Ore mining; Ferrous metallurgy; Textiles; Pulp and paper; Woodworking	Used in the flooding of oil reservoirs for the intensification of oil production, when drilling wells, in the textile, pulp and paper, woodworking industry, as part of lubricating and cooling, hydraulic and other process fluids, in ferrous metallurgy, as an active base for technical detergents, raw materials for the synthesis of some types of active base for textile auxiliary products and in some other sectors of the national economy.	150	0.5 water; 67.0 ±1.0 attached ethylene oxide; 1 polyethylene glycols	66 ±3	7.0 ±1.0

Brand	Segment	Areas of use	Pt/Co colority (Hazen), under	Mass fraction of impurities (%), NMT (including water)	Turbidity temperature of NIS aqueous solution with concentration of 10 g/dm3 (°C)	Hydrogen ion concentrations (pH): of an aqueous solution with a concentration of NIS 10 g/dm3
Neonol AF 9-12	Chemical industry; Ore mining; Ferrous metallurgy; Textiles; Pulp and paper; Woodworking	Used in the flooding of oil reservoirs for the intensification of oil production, when drilling wells, in the textile, pulp and paper, woodworking industry, as part of lubricating and cooling, hydraulic and other process fluids, in ferrous metallurgy, as an active basis for technical detergents, raw materials for the synthesis of some types of active base for textile auxiliary products and in some other sectors of the national economy.	150	0.5 water; 70.0 ±1.0 attached ethylene oxide; 1.5 polyethylene glycols	86 ±3	7.0 ±1.0

Brand	Segment	Areas of use	Pt/Co colority (Hazen), under	Mass fraction of impurities (%), NMT (including water)	Hydrogen ion concentrations (pH): of an aqueous solution with a concentration of NIS 10 g/dm3
Neonol AF 9-4	Chemical industry; Ore mining; Ferrous metallurgy; Textiles; Pulp and paper; Woodworking	Used in the flooding of oil reservoirs for the intensification of oil production, when drilling wells, in the textile, pulp and paper, woodworking industry, as part of lubricating and cooling, hydraulic and other process liquids, in ferrous metallurgy, as an active base for technical detergents, raw materials for the synthesis of some types of active base for textile auxiliary products and in some other sectors of the national economy.	150	0.5 water; 44.2 ±2.0 attached ethylene oxide; 1 polyethylene glycols	7.0 ±1.0

Brand	Segment	Areas of use	Pt/Co colority (Hazen), under	Mass fraction of impurities (%), NMT (including water)	Hydrogen ion concentrations (pH): of an aqueous solution with a concentration of NIS 10 g/dm3
Neonol AF 9-6	Chemical industry; Ore mining; Ferrous metallurgy; Textiles; Pulp and paper; Woodworking	Used in the flooding of oil reservoirs for the intensification of oil production, when drilling wells, in the textile, pulp and paper, woodworking industry, as part of lubricating and cooling, hydraulic and other process liquids, in ferrous metallurgy, as an active base for technical detergents, raw materials for the synthesis of some types of active base for textile auxiliary products and in some other sectors of the national economy.	150	0.5 water; 54.5 ±1.7 attached ethylene oxide; 1 polyethylene glycols	7.0 ±1.0

Brand	Segment	Areas of use	Pt/Co colority (Hazen), under	Mass fraction of impurities (%), NMT (including water)	Turbidity temperature of NIS aqueous solution with concentration of 10 g/dm3 (°C)	Hydrogen ion concentrations (pH): of an aqueous solution with a concentration of NIS 10 g/dm3
Neonol AF 9-8	Chemical industry; Ore mining; Ferrous metallurgy; Textiles; Pulp and paper; Woodworking	Used in the flooding of oil reservoirs for the intensification of oil production, when drilling wells, in the textile, pulp and paper, woodworking industry, as part of lubricating and cooling, hydraulic and other process liquids, in ferrous metallurgy, as an active base for technical detergents, raw materials for the synthesis of some types of active base for textile auxiliary products and in some other sectors of the national economy.	150	0.5 water; 61.5 ±1.5 attached ethylene oxide; 1 polyethylene glycols	32 ±3	7.0 ±1.0

Brand	Segment	Areas of use	Pt/Co colority (Hazen), under	Mass fraction of impurities (%), NMT (including water)	Turbidity temperature of NIS aqueous solution with concentration of 10 g/dm3 (°C)	Hydrogen ion concentrations (pH): of an aqueous solution with a concentration of NIS 10 g/dm3
Neonol AF 9-9	Chemical industry; Ore mining; Ferrous metallurgy; Textiles; Pulp and paper; Woodworking	Used in the flooding of oil reservoirs for the intensification of oil production, when drilling wells, in the textile, pulp and paper, woodworking industry, as part of lubricating and cooling, hydraulic and other process liquids, in ferrous metallurgy, as an active base for technical detergents, raw materials for the synthesis of some types of active base for textile auxiliary products and in some other sectors of the national economy.	150	0.5 water; 64.0 ±1.2 attached ethylene oxide; 1 polyethylene glycols	54 ±3	7.0 ±1.0

Brand	Segment	Areas of use	Pt/Co colority (Hazen), under	Mass fraction of impurities (%), NMT (including water)	Turbidity temperature of NIS aqueous solution with concentration of 10 g/dm3 (°C)	Hydrogen ion concentrations (pH): of an aqueous solution with a concentration of NIS 10 g/dm3
Neonol AF 9-9.5	Chemical industry; Ore mining; Ferrous metallurgy; Textiles; Pulp and paper; Woodworking	Used in the flooding of oil reservoirs for the intensification of oil production, when drilling wells, in the textile, pulp and paper, woodworking industry, as part of lubricating and cooling, hydraulic and other process liquids, in ferrous metallurgy, as an active base for technical detergents, raw materials for the synthesis of some types of active base for textile auxiliary products and in some other sectors of the national economy.	150	0.5 water; 65.5 ±1.1 attached ethylene oxide; 1 polyethylene glycols	60 ±3	5–8

СХП pyrolysis gasoline

Brand	Segment	Processing Method	Areas of use	Appearance	Mass fraction of impurities (%), NMT (including water)	Density at 20°C (g/cm³), range	Boiling point, NLT
ТС-СХП pyrolysis gasoline	Component of motor fuels	Blending	Used as a solvent, raw material for the production of aromatic hydrocarbons, as well as a component of motor fuel	Liquid from light yellow (greenish tint is allowed) to brown free of mechanical impurities	0.5 water	0.8	35

Boiling point, NMT	Mass fraction of aromatic hydrocarbons C6-C8 in distillate up to 185 °C (%), NLT	Mass fraction of benzene (%), NLT	Mass fraction of distillate up to 185 °C (%)
270	45	20	not standardized

Propylene Oxide, Methyloxirane, OP and PO

Brand	Segment	Processing Method	Areas of use	Grade	Mass fraction of acetic acid, NMT (%)	Mass fraction of impurities (%), NMT (including water)	Pt/Co colority (Hazen), NMT
Propylene Oxide	Production of polyurethanes, glycols, cosmetics, medical preparations	Polymerization	Used in the production of polyols (polyethers), colors, PG (propylene glycols), surfactants.	Premium	0.003	0.01 water	10

Mass fraction of non-volatile residue (%), NMT	Mass fraction of organically bound chlorine (%), NMT	Mass fraction of the sum of acetic and propionic aldehydes (%), NMT	Mass fraction of ethylene oxide (%), NMT	Mass fraction of acetone (%), NMT	Mass fraction of ethyl alcohol (%), NMT
0.002	0.005	0.005	0.01	0.005	0.01

Brand	Segment	Processing Method	Areas of use	Grade	Mass fraction of acetic acid, NMT (%)	Mass fraction of impurities (%), NMT (including water)	Pt/Co colority (Hazen), NMT
Propylene Oxide	Production of polyurethanes, glycols, cosmetics, medical preparations	Polymerization	Used in the production of polyols (polyethers), colors, PG (propylene glycols), surfactants.	First	0.006	0.02 water	10

Mass fraction of non-volatile residue (%), NMT	Mass fraction of organically bound chlorine (%), NMT	Mass fraction of the sum of acetic and propionic aldehydes (%), NMT	Mass fraction of ethylene oxide (%), NMT	Mass fraction of acetone (%), NMT	Mass fraction of ethyl alcohol (%), NMT
0.01	0.01	0.009	0.02	0.01	Not standardized

Glycol

Brand	Segment	Areas of use	Mass fraction of iron (%), NMT	Grade	Mass fraction of acetic acid, NMT (%)	Mass fraction of impurities (%), NMT (including water)	Refraction index at 20°C
Ethylene glycol	Antifreeze, deicing fluids	Intended for use in production of synthetic fibers, solvents, low-freezing and hydraulic fluids.	0.00001	Premium	0.0006	0.1 water	1.431–1.432

Mass fraction of ethylene glycol (%), NLT	Mass fraction of diethylene glycol (%), NMT	Mass fraction of the residual after calcination (%), NMT	Color (Hazen), in normal condition NMT	Color (Hazen), after boiling with hydrochloric acid NMT	Transmission in the ultraviolet spectral region (%), NLT, at wave lengths (nm): 220, 275, 350
99.8	0.05	0.001	5	20	75, 95, 99

Brand	Segment	Areas of use	Mass fraction of iron (%), NMT	Grade	Mass fraction of acetic acid, NMT (%)	Mass fraction of impurities (%), NMT (including water)	Refraction index at 20°C
Ethylene glycol	Antifreeze, deicing fluids	Intended for use in production of synthetic fibers, solvents, low-freezing and hydraulic fluids.	0.0005	First	0.005	0.5 water	1,430-1,432

Mass fraction of ethylene glycol (%), NLT	Mass fraction of diethylene glycol (%), NMT	Mass fraction of the residual after calcination (%), NMT	Color (Hazen), in normal condition NMT	Color (Hazen), after boiling with hydrochloric acid NMT	Transmission in the ultraviolet spectral region (%), NLT, at wave lengths (nm): 220, 275, 350
98.5	1	0.002	20	Not standardized	not standardized, 95, -

3CHX pyrolysis gasoline

Brand	Segment	Processing Method	Areas of use	Appearance	Mass fraction of pentane (%)	Mass fraction of impurities (%), NMT (including water)	Density at 20°C (g/cm³), range
Pyrolysis gasoline grade A/B	Component of motor fuels	Blending	Used as an ARPD solvent, raw material for the production of aromatic hydrocarbons, as well as a component of motor fuel	Transparent liquid from colorless to brown color free of mechanical impurities	Not standardized. Determination required.	0.3 water	0.750–0.860
	Fractional composition: boiling point (°C), NLT 35	Fractional composition: boiling point (°C), NMT 220	Volume fraction of the product distilled at temperature (%) 210 °C; 250 °C; 300 °C Not standardized. Determination required.	Mass fraction of aromatic hydrocarbons (%), NLT; including benzene (%) NLT 55; 30	Mass fraction of hexane (%) Not standardized. Determination required.		

Medium pyrolysis gasoline

Brand	Segment	Processing Method	Areas of use	Grade	Mass fraction of impurities (%), NMT (including water)	Density at 20°C (g/cm³), range	Boiling point, NMT
Medium pyrolysis gasoline	Benzene extraction	Extraction	Used as an ARPD solvent, raw material for the production of aromatic hydrocarbons, as well as a component of motor fuel	Grade 1	0.5 water	0.75	230

Mass fraction of aromatic hydrocarbons C6-C8 in distillate up to 185 °C (%), NLT	Mass fraction of benzene (%), NLT	Fractional composition: boiling point (°C), NLT	Distillation test residue (%), NMT
50	30	35	not standardized

Brand	Segment	Processing Method	Areas of use	Grade	Mass fraction of impurities (%), NMT (including water)	Density at 20°C (g/cm³), range	Boiling point, NMT
Medium pyrolysis gasoline	Benzene extraction	Extraction	Used as an ARPD solvent, raw material for the production of aromatic hydrocarbons, as well as a component of motor fuel	Grade 2	0.5 water	0.75	250

Mass fraction of aromatic hydrocarbons C6-C8 in distillate up to 185 °C (%), NLT	Mass fraction of benzene (%), NLT	Fractional composition: boiling point (°C), NLT	Distillation test residue (%), NMT
50	23	35	not standardized

Heavy pyrolysis gasoline

Brand	Segment	Processing Method	Areas of use	Appearance	Grade	Mass fraction of impurities (%), NMT (including water)	Density at 20°C (g/cm³), range
Heavy pyrolysis gasoline	Paint and varnish	Polymerization	Used as a raw material for the production of light petroleum polymer resins and a solvent for paint and varnish materials	Liquid from light yellow to brown color free of mechanical impurities	Grade 1	0.5 water	0.86

Boiling point, NMT	Mass fraction of aromatic hydrocarbons C6-C8 in distillate up to 185 °C (%), NLT	Mass fraction of benzene (%), NLT	Fractional composition: boiling point (°C), NLT	Distillation test residue (%), NMT
230	55	not standardized	55	5

Brand	Segment	Processing Method	Areas of use	Appearance	Grade	Mass fraction of impurities (%), NMT (including water)	Density at 20°C (g/cm³), range
Heavy pyrolysis gasoline	Paint and varnish	Polymerization	Used as a raw material for the production of light petroleum polymer resins and a solvent for paint and varnish materials	Liquid from light yellow to brown color free of mechanical impurities	Grade 2	0.5 water	0.86

Boiling point, NMT	Mass fraction of aromatic hydrocarbons C6-C8 in distillate up to 185 °C (%), NLT	Mass fraction of benzene (%), NLT	Fractional composition: boiling point (°C), NLT	Distillation test residue (%), NMT
230	45	not standardized	55	5

Light pyrolysis gasoline

Brand	Segment	Processing Method	Areas of use	Appearance	Grade	Mass fraction of impurities (%), NMT (including water)	Density at 20°C (g/cm³), range
Light pyrolysis gasoline	Component of motor fuels	Blending	Used as a solvent, raw material for the production of aromatic hydrocarbons, as well as a component of motor fuel	Transparent liquid from colorless to yellow without water and free of mechanical impurities	Grade 1	not determined water	0.75

Boiling point, NMT	Mass fraction of aromatic hydrocarbons C6-C8 in distillate up to 185 °C (%), NLT	Mass fraction of benzene (%), NLT	Fractional composition: boiling point (°C), NLT	Distillation test residue (%), NMT
195	55	30	35	1.5

Brand	Segment	Processing Method	Areas of use	Appearance	Grade	Mass fraction of impurities (%), NMT (including water)	Density at 20°C (g/cm³), range
Light pyrolysis gasoline	Component of motor fuels	Blending	Used as a solvent, raw material for the production of aromatic hydrocarbons, as well as a component of motor fuel	Transparent liquid from colorless to yellow without water and free of mechanical impurities	Grade 2	not determined water	0.75

Boiling point, NMT	Mass fraction of aromatic hydrocarbons C6-C8 in distillate up to 185 °C (%), NLT	Mass fraction of benzene (%), NLT	Fractional composition: boiling point (°C), NLT	Distillation test residue (%), NMT
195	45	30	35	1.5

Heavy petroleum resin

Brand	Segment	Processing Method	Areas of use	Mass fraction of impurities (%), NMT (including water)	Solidification temperature (°C), NMT	Density at 20°C (g/cm³), range	Closed flash point (°C), above
Cubic petrochemical residue KOH 92 - heavy petroleum oil KON 92	Component of motor fuels	Blending	As fuel for stationary boiler houses and process units, as well as for other purposes	1 water; None sulfur	minus 30	0.8 – 0.95	61
	Content of water-soluble acids and alkalis						
	None						

Heavy pyrolysis oil (HPO)

Brand	Segment	Processing Method	Mass fraction of impurities (%), NMT (including water)	Density at 20°C (g/cm³), range	Kinematic viscosity at 50°C (mm2/s), NMT	Distillation temperature of 3% volume (°C), NLT	Coking ability (%), NMT	Correlation index, NLT	Mass fraction of sodium ions (%), NMT
Heavy pyrolysis oil (HPO) Grade A	Tires; Metallurgy	Thermal processing methods	0.3 water; 0.01 mechanical impurities	1.04	25	180	12	125	0.005

Brand	Segment	Processing Method	Mass fraction of impurities (%), NMT (including water)	Density at 20°C (g/cm³), range	Kinematic viscosity at 50°C (mm2/s), NMT	Distillation temperature of 3% volume (°C), NLT	Coking ability (%), NMT	Correlation index, NLT	Mass fraction of sodium ions (%), NMT
Heavy pyrolysis oil (HPO) Grade A	Component of motor fuels; Tires	Blending	0.3 water; 0.01 mechanical impurities	1.04	25	180	12	125	0.005

Brand	Segment	Processing Method	Mass fraction of impurities (%), NMT (including water)	Density at 20°C (g/cm³), range	Kinematic viscosity at 50°C (mm2/s), NMT	Distillation temperature of 3% volume (°C), NLT	Coking ability (%), NMT	Correlation index, NLT	Mass fraction of sodium ions (%), NMT
Heavy pyrolysis oil (HPO) Grade A	Paint and varnish	Extraction	0.3 water; 0.01 mechanical impurities	1.04	25	180	12	125	0.005

Brand	Segment	Processing Method	Mass fraction of impurities (%), NMT (including water)	Density at 20°C (g/cm³), range	Kinematic viscosity at 50°C (mm2/s), NMT	Distillation temperature of 3% volume (°C), NLT	Coking ability (%), NMT	Correlation index, NLT	Mass fraction of sodium ions (%), NMT
Heavy pyrolysis oil (HPO) Grade A	Component of motor fuels	Thermal processing methods	0.3 water; 0.01 mechanical impurities	1.04	25	180	12	125	0.005

Brand	Segment	Processing Method	Mass fraction of impurities (%), NMT (including water)	Density at 20°C (g/cm³), range	Kinematic viscosity at 50°C (mm2/s), NMT	Distillation temperature of 3% volume (°C), NLT	Coking ability (%), NMT
Heavy pyrolysis oil (HPO) Grade B	Component of motor fuels	Blending	0.5 water; 0.01 mechanical impurities	1.03	40	170	16

Correlation index, NLT	Mass fraction of sodium ions (%), NMT	Mass fraction of potassium ions (%), NMT
120	0.01	0.001

Brand	Segment	Processing Method	Mass fraction of impurities (%), NMT (including water)	Density at 20°C (g/cm³), range	Kinematic viscosity at 50°C (mm2/s), NMT	Distillation temperature of 3% volume (°C), NLT	Coking ability (%), NMT
Heavy pyrolysis oil (HPO) Zapsibneftekhim	Component of motor fuels	Blending	0.3 water; 0.02 mechanical impurities	0.95	40	150	14

Correlation index, NLT	Mass fraction of sodium ions (%), NMT	Mass fraction of potassium ions (%), NMT
120	0.003	0.0003

C9

Brand	Segment	Processing Method	Areas of use	Appearance	Grade	Mass fraction of impurities (%), NMT (including water)	Density at 20°C (g/cm³), range
Fraction C9	Paint and varnish	Polymerization	Used as a raw material for the production of light petroleum polymer resins and a solvent for paint and varnish materials	Transparent liquid free of foreign matter	Premium	0.03 water	0.890 – 0.925

Boiling point, °C	95% is distilled at a temperature (°C), NMT	Iodometric scale color (mg of iodine/100 cm3), NMT	Iodine index (g of iodine per 100 g of product), NLT	3% volume distilled at temperature (°C), NLT	50% volume distilled at temperature (°C), NMT
200	195	15	70	115	170

Brand	Segment	Processing Method	Areas of use	Appearance	Grade	Mass fraction of impurities (%), NMT (including water)	Density at 20°C (g/cm³), range
Fraction C9	Paint and varnish	Polymerization	Used as a raw material for the production of light petroleum polymer resins and a solvent for paint and varnish materials	Transparent liquid free of foreign matter	First	0.3 water	0.890 – 0.925

Boiling point, °C	95% is distilled at a temperature (°C), NMT	Iodometric scale color (mg of iodine/100 cm3), NMT	Iodine index (g of iodine per 100 g of product), NLT	3% volume distilled at temperature (°C), NLT	50% volume distilled at temperature (°C), NMT
205	195	15	50	105	175

Bentol

Brand	Segment	Processing Method	Areas of use	Appearance	Density at 20°C (g/cm³), range	Mass fraction of components
Benzene-toluene fraction	Component of motor fuels	Blending	Used as a solvent in the paint and varnish industry, for the separation of benzene and toluene, a component of motor fuels	Colorless or slightly yellow liquid. Free water is allowed.	0.867 – 0.873	benzene 20.0 – 50.0; toluene 50.0 – 80.0; ethylbenzene and styrene, NMT 6.0

Brand	Segment	Processing Method	Areas of use	Appearance	Density at 20°C (g/cm³), range	Mass fraction of components
Benzene-toluene fraction	Paint and varnish	Paint and varnish solvent production	Used as a solvent in the paint and varnish industry, for the separation of benzene and toluene, a component of motor fuels	Colorless or slightly yellow liquid. Free water is allowed.	0.867 – 0.873	benzene 20.0 – 50.0; toluene 50.0 – 80.0; ethylbenzene and styrene, NMT 6.0

СЭК

Brand	Segment	Processing Method	Areas of use	Appearance	Mass fraction of acetic acid, NMT (%)	Mass fraction of impurities (%), NMT (including water)	Density at 20°C (g/cm³), range	Boiling point, NLT	Boiling point, NMT
Alcohol-ether concentrate (СЭК)	Component of motor fuels	Blending	Used as a multifunctional anti-knock oxygen-containing additive in motor fuels, to increase the phase stability of gasoline-alcohol fuels, as well as as a solvent for paint coatings	Homogeneous colorless liquid free of mechanical impurities	0.8	0.5 water	0.750 – 0.850	60	215

Acetone

Brand	Segment	Processing Method	Areas of use	Mass fraction of acetic acid, NMT (%)	Mass fraction of impurities (%), NMT (including water)	Mass fraction of acetone (%), NLT	Density (g/cm³)
Technical acetone premium grade	Processing	Polymerization	Used for the synthesis of acetic anhydride, acetone cyanhydrin, diphenylolpropane and other organic products, as well as as a solvent in various industries.	0.001	0.2 water; 0.05 methyl alcohol	99.75	0.789–0.791
	Resistance to oxidation by manganese potassium (h), NLT 4						

Ethylene oxide

Brand	Segment	Areas of use	Grade	Mass fraction of acetic acid, NMT (%)	Mass fraction of impurities (%), NMT (including water)	Colority (Hazen), NMT	Mass fraction of non-volatile residue (%), NMT
Ethylene oxide	Hydraulic fluids; Other solutions for medicine; Petrochemicals	Intended for the needs of the national economy and export. Ethylene oxide used in chemical, petrochemical and other industries.	purified	0.002	0.01 water	5	0.0005

Mass fraction of ethylene oxide (%), NLT	Mass fraction of aldehydes in terms of acetaldehyde (%), NMT	Weight percent of carbon dioxide (ppm), NMT
99.9	0.001	0.001

Brand	Segment	Areas of use	Grade	Mass fraction of acetic acid, NMT (%)	Mass fraction of impurities (%), NMT (including water)	Colority (Hazen), NMT	Mass fraction of non-volatile residue (%), NMT
Ethylene oxide	Hydraulic fluids	Used as a component in the production of brake fluid	purified	0.002	0.01 water	5	0.0005

Mass fraction of ethylene oxide (%), NLT	Mass fraction of aldehydes in terms of acetaldehyde (%), NMT	Weight percent of carbon dioxide (ppm), NMT
99.9	0.001	0.001

MAN (Maleic anhydride)

Brand	Segment	Areas of use	Mass fraction of basic substance (%), NLT	Crystallization temperature (°C), NLT	Initial color (Hazen), NMT	Free acidity (% by weight), NMT	Color stability, Hazen units, not more than
Maleic anhydride, liquid	Paint and varnish	Used for the production of unsaturated polyester resins, paints, detergents, synthetic fibers and other chemical products	99,85	52,5	15	0,1	30

Brand	Segment	Areas of use	Mass fraction of basic substance (%), NLT	Crystallization temperature (°C), NLT	Free acidity (% by weight), NMT	Color stability, Hazen units, not more than
Maleic anhydride, solid	Paint and varnish	Used for the production of unsaturated polyester resins, paints, detergents, synthetic fibers and other chemical products	99,85	52,6	0,15	40

Benzene

Brand	Segment	Areas of use	Grade	Mass fraction of basic substance (%), NLT	Density at 20°C (g/cm³), range	Crystallization temperature (°C), NLT	Mass fraction of the sum of non-aromatic hydrocarbons (%), NMT
Petrochemical benzene, premium grade	Oil and gas industry; Petrochemicals	Benzene is used for the production of styrene, synthetic fibers, rubber, plastics, colors and other organic synthesis products.	Premium	99.9	0.878–0.880	5.40	0.07

Mass fraction of toluene (%), NMT	Sulfuric acid colour, standard scale index, NMT	Mass fraction of total sulfur (%), NMT
Not determined	0.1	0.00005

TA (terephthalic acid)

Brand	Segment	Processing Method	Areas of use	Colority (Hazen), NMT	Mass fraction of 4-carboxybenzaldehyde (µg/g), NMT	Mass fraction of p-toluylic and benzoic acids (µg/g), NMT	Colority b, NMT
Terephthalic acid purified f/p TS 2477-012-00209421-2003	Packaging	Polymerization	Used as a starting component for the production of polyesters, including polyethylene terephthalate (PET)	5	25	150	1.5

Polyethylene Glycol (PEG)

Brand	Segment	Areas of use	Mass fraction of impurities (%), NMT (including water)	Hydroxyl index (mgKON/g), range	Colority of an aqueous solution with a mass fraction of 25 Pt/Co % (Hazen), NMT	Hydrogen index of an aqueous solution with mass fraction of 5 % (pH)	Kinematic viscosity at (40.0 ±0.3) 0C, mm2/s	Mass fraction of sulphate ash (%), NMT
Polyethylene glycol PEG-200	Transport infrastructure; Packaging; Chemical industry; Metallurgy; Agriculture; Cosmetology; Textiles	Used in production of plasticizers, chemical, textile, rubber, metalworking industry and other industries in accordance with the resolution of the Ministry of Health.	0.5 water	510–625	25	5.0–7.5	21–25	0.2

Brand	Segment	Areas of use	Mass fraction of impurities (%), NMT (including water)	Hydroxyl index (mgKON/g), range	Colority of an aqueous solution with a mass fraction of 25 Pt/Co % (Hazen), NMT	Hydrogen index of an aqueous solution with mass fraction of 5 % (pH)	Kinematic viscosity at (40.0 ±0.3) 0C, mm2/s
Polyethylene glycol PEG-300	Transport infrastructure; Packaging; Chemical industry; Metallurgy; Agriculture; Cosmetology; Textiles	Used in production of plasticizers, chemical, textile, rubber, metalworking industry and other industries in accordance with the resolution of the Ministry of Health.	0.5 water	340–415	25	5.0–7.5	30–35

Mass fraction of sulphate ash (%), NMT
340–415

Brand	Segment	Areas of use	Mass fraction of impurities (%), NMT (including water)	Hydroxyl index (mgKON/g), range	Colority of an aqueous solution with a mass fraction of 25 Pt/Co % (Hazen), NMT	Mass fraction of sulphate ash (%), NMT	Mass fraction of mono and diethylene glycols (% by weight), NMT	Mass fraction of free acetic acid (% by weight), NMT	Loss on drying (%), NMT
Polyethylene glycol PEG-400	Transport infrastructure; Packaging; Chemical industry; Metallurgy; Agriculture; Cosmetology; Textiles	Used in production of plasticizers, detergents and cleaning agents, in chemical, textile, metalworking and other industries in accordance with the resolution of the Ministry of Health.	0.5 water	260–290	25	0.1	0.25	0.024	3

Brand	Segment	Areas of use	Mass fraction of impurities (%), NMT (including water)	Hydroxyl index (mgKON/g), range	Colority of an aqueous solution with a mass fraction of 25 Pt/Co % (Hazen), NMT	Hydrogen index of an aqueous solution with mass fraction of 5 % (pH)	Mass fraction of sulphate ash (%), NMT
Polyethylene glycol PEG-4000	Chemical industry; Metallurgy; Cosmetology; Textiles	Used in production of plasticizers, detergents and cleaning agents, in chemical, textile, metalworking and other industries in accordance with the resolution of the Ministry of Health.	0.5 water	25.0–33.0	25	5.0–7.5	0.5

Melting point, C	Kinematic viscosity at a temperature of 100°C (mm2/s)
52–60	78–160

Brand	Segment	Areas of use	Mass fraction of impurities (%), NMT (including water)	Hydroxyl index (mgKON/g), range	Colority of an aqueous solution with a mass fraction of 25 Pt/Co % (Hazen), NMT	Hydrogen index of an aqueous solution with mass fraction of 5 % (pH)	Kinematic viscosity at (40.0 ±0.3) 0C, mm2/s
Polyethylene glycol PEG-600	Transport infrastructure; Chemical industry; Metallurgy; Agriculture; Cosmetology; Textiles	Used in production of plasticizers, detergents and cleaning agents, in chemical, textile, metalworking and other industries in accordance with the resolution of the Ministry of Health.	0.5 water	172–205	25	5.0–7.5	59–66

Mass fraction of sulphate ash (%), NMT
0.5

Propylene

Brand	Segment	Processing Method	Areas of use	Grade	Density at 20°C (g/cm³), range	Mass fraction of peroxide compounds (%), NMT	Bromine index (g of bromine per 100 g of product), NLT
Propylene tetramers	Oil additives	Polymerization	Used to produce alkylphenols processed into oxyethylated alkylphenols, alkylphenolic additives (additives to lubricating oils).	Premium	0.757–0.785	0.001 active oxygen	100

	Distillation start temperature (°C), NLT	95% is distilled at a temperature (°C), NMT	97.5% is distilled at a temperature (°C), NMT	Boiling end temperature (°C), NMT	Residual and losses (%), NMT	Mechanical impurities and water content	Mass fraction of propylene tetramers (%), NLT
	180	210	220	Not determined	2.5	None	90

Brand	Segment	Processing Method	Areas of use	Grade	Density at 20°C (g/cm³), range	Mass fraction of peroxide compounds (%), NMT	Bromine index (g of bromine per 100 g of product), NLT
Propylene tetramers	Oil additives	Polymerization	Used to produce alkylphenols processed into oxyethylated alkylphenols, alkylphenolic additives (additives to lubricating oils).	First	0.757–0.785	0.001 active oxygen	100

Distillation start temperature (°C), NLT	95% is distilled at a temperature (°C), NMT	97.5% is distilled at a temperature (°C), NMT	Boiling end temperature (°C), NMT	Residual and losses (%), NMT	Mechanical impurities and water content	Mass fraction of propylene tetramers (%), NLT
170	235	250	Not determined	2.5	None	70

Brand	Segment	Processing Method	Areas of use	Grade	Density at 20°C (g/cm³), range	Mass fraction of peroxide compounds (%), NMT	Bromine index (g of bromine per 100 g of product), NLT
Propylene tetramers	Oil additives	Polymerization	Used to produce alkylphenols processed into oxyethylated alkylphenols, alkylphenolic additives (additives to lubricating oils).	Grade E	0.757–0.785	0.001 active oxygen	100

Distillation start temperature (°C), NLT	95% is distilled at a temperature (°C), NMT	97.5% is distilled at a temperature (°C), NMT	Boiling end temperature (°C), NMT	Residual and losses (%), NMT	Mechanical impurities and water content	Mass fraction of propylene tetramers (%), NLT
180	200	202	204	Not determined	None	80

Brand	Segment	Processing Method	Areas of use	Grade	Density at 20°C (g/cm³), range	Mass fraction of peroxide compounds (%), NMT	Bromine index (g of bromine per 100 g of product), NLT
Propylene tetramers	Polymerization process control agent in the production of latex, rubber, plastics	Polymerization	Production of t-dodecyl mercaptan (TDM) – a polymerization process control agent in the production of latex, rubber, plastics.	Premium	0.757–0.785	0.001 active oxygen	100

Distillation start temperature (°C), NLT	95% is distilled at a temperature (°C), NMT	97.5% is distilled at a temperature (°C), NMT	Boiling end temperature (°C), NMT	Residual and losses (%), NMT	Mechanical impurities and water content	Mass fraction of propylene tetramers (%), NLT
180	210	220	Not determined	2.5	None	90

Brand	Segment	Processing Method	Areas of use	Grade	Density at 20°C (g/cm³), range	Mass fraction of peroxide compounds (%), NMT	Bromine index (g of bromine per 100 g of product), NLT
Propylene tetramers	Polymerization process control agent in the production of latex, rubber, plastics	Polymerization	Production of t-dodecyl mercaptan (TDM) – a polymerization process control agent in the production of latex, rubber, plastics.	First	0.757–0.785	0.001 active oxygen	100

Distillation start temperature (°C), NLT	95% is distilled at a temperature (°C), NMT	97.5% is distilled at a temperature (°C), NMT	Boiling end temperature (°C), NMT	Residual and losses (%), NMT	Mechanical impurities and water content	Mass fraction of propylene tetramers (%), NLT
170	235	250	Not determined	2.5	None	70

Brand	Segment	Processing Method	Areas of use	Grade	Density at 20°C (g/cm³), range	Mass fraction of peroxide compounds (%), NMT	Bromine index (g of bromine per 100 g of product), NLT
Propylene tetramers	Polymerization process control agent in the production of latex, rubber, plastics	Polymerization	Production of t-dodecyl mercaptan (TDM) – a polymerization process control agent in the production of latex, rubber, plastics.	Grade E	0.757–0.785	0.001 active oxygen	100

Distillation start temperature (°C), NLT	95% is distilled at a temperature (°C), NMT	97.5% is distilled at a temperature (°C), NMT	Boiling end temperature (°C), NMT	Residual and losses (%), NMT	Mechanical impurities and water content	Mass fraction of propylene tetramers (%), NLT
180	200	202	204	Not determined	None	80

Brand	Segment	Processing Method	Areas of use	Grade	Density at 20°C (g/cm³), range	Mass fraction of peroxide compounds (%), NMT	Bromine index (g of bromine per 100 g of product), NLT
Propylene tetramers	Special purpose chemistry	Polymerization	Used for the synthesis of neodecanoic acid.	Premium	0.757–0.785	0.001 active oxygen	100

Distillation start temperature (°C), NLT	95% is distilled at a temperature (°C), NMT	97.5% is distilled at a temperature (°C), NMT	Boiling end temperature (°C), NMT	Residual and losses (%), NMT	Mechanical impurities and water content	Mass fraction of propylene tetramers (%), NLT
180	210	220	Not determined	2.5	None	90

Brand	Segment	Processing Method	Areas of use	Grade	Density at 20°C (g/cm³), range	Mass fraction of peroxide compounds (%), NMT	Bromine index (g of bromine per 100 g of product), NLT
Propylene tetramers	Special purpose chemistry	Polymerization	Used for the synthesis of neodecanoic acid.	First	0.757–0.785	0.001 active oxygen	100

Distillation start temperature (°C), NLT	95% is distilled at a temperature (°C), NMT	97.5% is distilled at a temperature (°C), NMT	Boiling end temperature (°C), NMT	Residual and losses (%), NMT	Mechanical impurities and water content	Mass fraction of propylene tetramers (%), NLT
170	235	250	Not determined	2.5	None	70

Brand	Segment	Processing Method	Areas of use	Grade	Density at 20°C (g/cm³), range	Mass fraction of peroxide compounds (%), NMT	Bromine index (g of bromine per 100 g of product), NLT
Propylene tetramers	Special purpose chemistry	Polymerization	Used for the synthesis of neodecanoic acid.	Grade E	0.757–0.785	0.001 active oxygen	100

Distillation start temperature (°C), NLT	95% is distilled at a temperature (°C), NMT	97.5% is distilled at a temperature (°C), NMT	Boiling end temperature (°C), NMT	Residual and losses (%), NMT	Mechanical impurities and water content	Mass fraction of propylene tetramers (%), NLT
180	200	202	204	Not determined	None	80

Brand	Segment	Processing Method	Areas of use	Mass fraction of peroxide compounds (%), NMT	Bromine index (g of bromine per 100 g of product), NLT	Mass fraction of antioxidant (%), NLT	Mass fraction of impurities (%), NMT (including water)
PROPYLENE TRIMERS	Oil additives	Polymerization	Used to produce alkylphenols, processed into oxyethylated alkylphenols, alkylphenolic additives (additives to lubricating oils).	0.0005	120	0.006–0.02	0.02 water

Boiling point, °C	Mass fraction of paraffins (%), NMT*	Mass fraction of propylene trimers (%), NLT	Mass fraction of C8 olefins, and below (%), NMT	Mass fraction of C10 olefins, and above (%), NMT	Distilling temperature 90 % (°C)	Maleic number, mg of maleic anhydride per 1 g of product, no more
"Not standardized Determination required."	1	95	2	3	Not standardized. Determination required.	2

Brand	Segment	Processing Method	Areas of use	Mass fraction of peroxide compounds (%), NMT	Bromine index (g of bromine per 100 g of product), NLT	Mass fraction of antioxidant (%), NLT	Mass fraction of impurities (%), NMT (including water)
PROPYLENE TRIMERS	Detergents	Polymerization	Used to produce alkylphenols processed into oxyethylated alkylphenols (neonols)	0.0005	120	0.006–0.02	0.02 water

Boiling point, °C	Mass fraction of paraffins (%), NMT*	Mass fraction of propylene trimers (%), NLT	Mass fraction of C8 olefins, and below (%), NMT	Mass fraction of C10 olefins, and above (%), NMT	Distilling temperature 90 % (°C)	Maleic number, mg of maleic anhydride per 1 g of product, no more
"Not standardized Determination required."	1	95	2	3	Not standardized. Determination required.	2

Brand	Segment	Processing Method	Areas of use	Mass fraction of peroxide compounds (%), NMT	Bromine index (g of bromine per 100 g of product), NLT	Mass fraction of antioxidant (%), NLT	Mass fraction of impurities (%), NMT (including water)
PROPYLENE TRIMERS	Plasticizers	Polymerization	Used to produce isodecyl alcohol, with subsequent processing into plasticizers of plastics (DIDP).	0.0005	120	0.006–0.02	0.02 water

Boiling point, °C	Mass fraction of paraffins (%), NMT*	Mass fraction of propylene trimers (%), NLT	Mass fraction of C8 olefins, and below (%), NMT	Mass fraction of C10 olefins, and above (%), NMT	Distilling temperature 90 % (°C)	Maleic number, mg of maleic anhydride per 1 g of product, no more
"Not standardized Determination required."	1	95	2	3	Not standardized. Determination required.	2

Brand	Segment	Processing Method	Areas of use	Mass fraction of peroxide compounds (%), NMT	Bromine index (g of bromine per 100 g of product), NLT	Mass fraction of antioxidant (%), NLT	Mass fraction of impurities (%), NMT (including water)
PROPYLENE TRIMERS	Polymerization process control agent in the production of latex, rubber, plastics; Home care products	Polymerization	Production of n-dodecyl mercaptan (NDM) – a polymerization process control agent in the production of latex, rubber, plastics.	0.0005	120	0.006–0.02	0.02 water

	Boiling point, °C	Mass fraction of paraffins (%), NMT*	Mass fraction of propylene trimers (%), NLT	Mass fraction of C8 olefins, and below (%), NMT	Mass fraction of C10 olefins, and above (%), NMT	Distilling temperature 90 % (°C)	Maleic number, mg of maleic anhydride per 1 g of product, no more
	"Not standardized Determination required."	1	95	2	3	Not standardized. Determination required.	2

Brand	Segment	Processing Method	Areas of use	Grade	Volume percent of nitrogen (%), NLT	Volume percent of ethylene (%), NMT	Volume fraction of acetylene and methylacetylene (%) NMT
Propylene, Premium Grade, GOST 25043-2013	Chemical production	Polymerization	Propylene is used for the production of polypropylene, propylene oxide, acrylonitrile, isopropyl and butyl alcohol, isopropylbenzene, glycerin and other organic products.	Premium	99.8	0.005	0.001

	Volume percent of C4 hydrocarbons (%), NMT	Volume fraction of diene hydrocarbons (propadiene and butadiene), NMT (%)	Volume percent of ethane and propane (%), NMT	Weight concentration of sulfur (mg/m³), NMT	Mass fraction of water (%), NMT in the product by pipeline	Mass fraction of water, NMT (%): in the product in the container	Free water content
	0.002	0.001	0.2	1	0.0005	Not standardized	none

Brand	Segment	Processing Method	Areas of use	Grade	Volume percent of nitrogen (%), NLT	Volume percent of ethylene (%), NMT	Volume fraction of acetylene and methylacetylene (%) NMT
Propylene, Premium Grade, GOST 25043-2013	Chemical production	Polymerization	Propylene is used for the production of polypropylene, propylene oxide, acrylonitrile, isopropyl and butyl alcohol, isopropylbenzene, glycerin and other organic products.	First	99	0.01	0.005

	Volume percent of C4 hydrocarbons (%), NMT	Volume fraction of diene hydrocarbons (propadiene and butadiene), NMT (%)	Volume percent of ethane and propane (%), NMT	Weight concentration of sulfur (mg/m³), NMT	Mass fraction of water (%), NMT in the product by pipeline	Mass fraction of water, NMT (%): in the product in the container	Free water content
	0.05	0.015	0.7	2	0.02	Not standardized	none

MAP (monoalkylphenol)

Brand	Segment	Areas of use	Mass fraction of impurities (%), NMT (including water)	Open flash point (°C), NLT	Colority (iodine scale units), NMT	Mass fraction of monoalkylphenols (%), NLT	Mass fraction of dialkylphenols (%), NMT	Mass fraction of phenol (%), NMT
Monoalkylphenols based on propylene trimers (Nonylphenol)	Industrial additives	Used in the production of oxyethylated monoalkylphenols (neonols), additives to lubricating oils, Octophor-type resins.	0.05 water	142	10	98	1	0.1

Technical ethyl cellosolve (ethylene glycol monoethyl ether)

Brand	Segment	Areas of use	Grade	Mass fraction of acetic acid, NMT (%)	Mass fraction of impurities (%), NMT (including water)	Density at 20°C (g/cm³), range	Pt/Co colority (Hazen), NMT
Technical ethyl cellosolve	Paint and varnish	Can be used as a solvent for paint and varnish materials, as an additive to motor and jet fuels, as well as as the component of the skin dressing, separating agent azeotropic rectification of alcohols and hydrocarbons, as a semi-product for the synthesis of some solvents.	Premium	0.005	0.1 water	0.928–0.930	8.00

Mass fraction of ethyl cellosolve (%), NLT	Saponification index (mg KOH per 1 g of product), NMT	Refraction index
99.5	0.5	1.407–1.409

Brand	Segment	Areas of use	Grade	Mass fraction of acetic acid, NMT (%)	Mass fraction of impurities (%), NMT (including water)	Density at 20°C (g/cm³), range	Pt/Co colority (Hazen), NMT
Technical ethyl cellosolve	Antifreeze, deicing fluids	Can be used as a solvent for paint and varnish materials, as an additive to motor and jet fuels, as well as as the component of the skin dressing, separating agent azeotropic rectification of alcohols and hydrocarbons, as a semi-product for the synthesis of some solvents.	First	0.006	0.3 water	0.928– 0.933	20.00

Mass fraction of ethyl cellosolve (%), NLT	Saponification index (mg KOH per 1 g of product), NMT	Refraction index
97	0.5	1.407–1.409

Oxo alcohol

Brand	Segment	Processing Method	Areas of use	Pt/Co colority (Hazen), under	Mass fraction of basic substance (%), NLT	Density at 20°C (g/cm³), range	Acid index (mg KOH/g)
2-Ethylhexanol, first grade	Paint and varnish	Polymerization	Used for the synthesis of plasticizers, stabilizers, additives to lubricating oils, for use as a solvent	≤10	≥98	0.831–0.833	≤0.05
	Mass fraction of aldehydes and ketones in terms of 2-ethylhexanal (%), NMT	Mass fraction of unsaturated compounds in terms of 2-ethylhexenal (%), NMT					
	≤0.1	≤0.05					

Brand	Segment	Processing Method	Areas of use	Pt/Co colority (Hazen), under	Mass fraction of basic substance (%), NLT	Density at 20°C (g/cm³), range	Acid index (mg KOH/g)
2-Ethylhexanol, first grade	Component of motor fuels	Polymerization	Used for the manufacture of 2-ЭГН (cetane-boosting additive) for diesel fuel	≤10	≥98	0.831–0.833	≤0.05

Mass fraction of aldehydes and ketones in terms of 2-ethylhexanal (%), NMT	Mass fraction of unsaturated compounds in terms of 2-ethylhexenal (%), NMT
≤0.1	≤0.05

Brand	Segment	Processing Method	Areas of use	Pt/Co colority (Hazen), under	Mass fraction of basic substance (%), NLT	Density at 20°C (g/cm³), range	Acid index (mg KOH/g)
2-Ethylhexanol, first grade	Oil additives	Polymerization	Used for the manufacture of additives to oils	≤10	≥98	0.831–0.833	≤0.05

Mass fraction of aldehydes and ketones in terms of 2-ethylhexanal (%), NMT	Mass fraction of unsaturated compounds in terms of 2-ethylhexenal (%), NMT
≤0.1	≤0.05

Brand	Segment	Processing Method	Areas of use	Pt/Co colority (Hazen), under	Mass fraction of basic substance (%), NLT	Density at 20°C (g/cm³), range	Acid index (mg KOH/g)
2-Ethylhexanol, premium grade	Paint and varnish	Polymerization	Used for the synthesis of plasticizers, stabilizers, additives to lubricating oils, for use as a solvent	≤10	≥99	0.831–0.833	≤0.03

Mass fraction of aldehydes and ketones in terms of 2-ethylhexanal (%), NMT	Mass fraction of unsaturated compounds in terms of 2-ethylhexenal (%), NMT
≤0.05	≤0.02

Brand	Segment	Processing Method	Areas of use	Pt/Co colority (Hazen), under	Mass fraction of basic substance (%), NLT	Density at 20°C (g/cm³), range	Acid index (mg KOH/g)
2-Ethylhexanol, premium grade	Component of motor fuels	Polymerization	Used for the manufacture of 2-ЭГН (cetane-boosting additive) for diesel fuel	≤10	≥99	0.831–0.833	≤0.03

Mass fraction of aldehydes and ketones in terms of 2-ethylhexanal (%), NMT	Mass fraction of unsaturated compounds in terms of 2-ethylhexenal (%), NMT
≤0.05	≤0.02

Brand	Segment	Processing Method	Areas of use	Pt/Co colority (Hazen), under	Mass fraction of basic substance (%), NLT	Density at 20°C (g/cm³), range	Acid index (mg KOH/g)
2-Ethylhexanol, premium grade	Oil additives	Polymerization	Used for the manufacture of additives to oils	≤10	≥99	0.831–0.833	≤0.03

Mass fraction of aldehydes and ketones in terms of 2-ethylhexanal (%), NMT	Mass fraction of unsaturated compounds in terms of 2-ethylhexenal (%), NMT
≤0.05	≤0.02

Brand	Segment	Processing Method	Areas of use	Pt/Co colority (Hazen), under	Mass fraction of basic substance (%), NLT	Density at 20°C (g/cm³), range	Bromine index (g of bromine per 100 g of alcohol), NMT
Isobutyl alcohol, first grade	Paint and varnish	Blending	Used as a solvent in the paint and varnish industry, for the production of esters and other products	≤15	≥98.5	0.801–0.804	≤0.1

Mass fraction of carbonyl compounds in terms of butyl aldehyde (%), NMT	Mass fraction of non-volatile residue (%), NMT
≤0.1	≤0.003

Brand	Segment	Processing Method	Areas of use	Pt/Co colority (Hazen), under	Mass fraction of basic substance (%), NLT	Density at 20°C (g/cm³), range	Bromine index (g of bromine per 100 g of alcohol), NMT
Isobutyl alcohol, first grade	Component of motor fuels	Blending	Used as a component of gasoline	≤15	≥98.5	0.801–0.804	≤0.1

Mass fraction of carbonyl compounds in terms of butyl aldehyde (%), NMT	Mass fraction of non-volatile residue (%), NMT
≤0.1	≤0.003

Brand	Segment	Processing Method	Areas of use	Pt/Co colority (Hazen), under	Mass fraction of basic substance (%), NLT	Density at 20°C (g/cm³), range	Bromine index (g of bromine per 100 g of alcohol), NMT
Isobutyl alcohol, first grade	Oil additives	Blending	Used for the manufacture of additives to oils	≤15	≥98.5	0.801–0.804	≤0.1

Mass fraction of carbonyl compounds in terms of butyl aldehyde (%), NMT	Mass fraction of non-volatile residue (%), NMT
≤0.1	≤0.003

Brand	Segment	Processing Method	Areas of use	Pt/Co colority (Hazen), under	Mass fraction of basic substance (%), NLT	Density at 20°C (g/cm³), range	Bromine index (g of bromine per 100 g of alcohol), NMT
Isobutyl alcohol, premium grade	Paint and varnish	Blending	Used as a solvent in the paint and varnish industry, for the production of esters and other products	≤7	≥99.3	0.801–0.803	≤0.02

Mass fraction of carbonyl compounds in terms of butyl aldehyde (%), NMT	Mass fraction of non-volatile residue (%), NMT
≤0.03	≤0.0025

Brand	Segment	Processing Method	Areas of use	Pt/Co colority (Hazen), under	Mass fraction of basic substance (%), NLT	Density at 20°C (g/cm³), range	Bromine index (g of bromine per 100 g of alcohol), NMT
Isobutyl alcohol, premium grade	Component of motor fuels	Blending	Used as a component of gasoline	≤7	≥99.3	0.801–0.803	≤0.02

Mass fraction of carbonyl compounds in terms of butyl aldehyde (%), NMT	Mass fraction of non-volatile residue (%), NMT
≤0.03	≤0.0025

Brand	Segment	Processing Method	Areas of use	Pt/Co colority (Hazen), under	Mass fraction of basic substance (%), NLT	Density at 20°C (g/cm³), range	Bromine index (g of bromine per 100 g of alcohol), NMT	Mass fraction of carbonyl compounds in terms of butyl aldehyde (%), NMT	Mass fraction of non-volatile residue (%), NMT
Isobutyl alcohol, premium grade	Oil additives	Blending	Used for the manufacture of additives to oils	≤7	≥99.3	0.801–0.803	≤0.02	≤0.03	≤0.0025

Brand	Segment	Processing Method	Areas of use	Pt/Co colority (Hazen), under	Mass fraction of basic substance (%), NLT	Density at 20°C (g/cm³), range	Bromine index (g of bromine per 100 g of alcohol), NMT
Normal butyl alcohol, Grade A, first grade	Paint and varnish	Blending	Used as a solvent in the paint and varnish industry, for the synthesis of organic products (butyl acetate, butyl acrylate, butylmethacrylate, butyl flotation reagents), the production of resins and plasticizers (dibutyl phthalate, tributyl phosphate), the production of reagents	≤10	≥99	0.809–0.811	≤0.05

Mass fraction of carbonyl compounds in terms of butyl aldehyde (%), NMT	Mass fraction of non-volatile residue (%), NMT
≤0.1	≤0.0025

Brand	Segment	Processing Method	Areas of use	Pt/Co colority (Hazen), under	Mass fraction of basic substance (%), NLT	Density at 20°C (g/cm³), range	Bromine index (g of bromine per 100 g of alcohol), NMT
Normal butyl alcohol, grade A, premium grade	Paint and varnish	Blending	Used as a solvent in the paint and varnish industry, for the synthesis of organic products (butyl acetate, butyl acrylate, butylmethacrylate, butyl flotation reagents), the production of resins and plasticizers (dibutyl phthalate, tributyl phosphate), the production of reagents	≤10	≥99.4	0.809–0.811	≤0.02

Mass fraction of carbonyl compounds in terms of butyl aldehyde (%), NMT	Mass fraction of non-volatile residue (%), NMT
≤0.06	≤0.0025

Ethylcarbitol

Brand	Segment	Areas of use	Grade	Mass fraction of impurities (%), NMT (including water)	Density at 20°C (g/cm³), range	Mass fraction of ethylcarbitol (%), NLT	Mass fraction of ethyl cellosolve (%), NMT	Mass fraction of ethylene glycol (%), NMT
Technical ethylcarbitol	Hydraulic fluids; Synthesis of esters	Intended for the preparation of esters, preparation of brake and special hydraulic fluids.	Premium	0.1 water	0.986–0.992	99	0.1	0.8

Brand	Segment	Areas of use	Grade	Mass fraction of impurities (%), NMT (including water)	Density at 20°C (g/cm³), range	Mass fraction of ethylcarbitol (%), NLT	Mass fraction of ethyl cellosolve (%), NMT	Mass fraction of ethylene glycol (%), NMT
Technical ethylcarbitol	Hydraulic fluids; Synthesis of esters	Intended for the preparation of esters, preparation of brake and special hydraulic fluids.	Grade A	0.1 water	0.986–0.995	95	0.3	4

Brand	Segment	Areas of use	Grade	Mass fraction of impurities (%), NMT (including water)	Density at 20°C (g/cm³), range	Mass fraction of ethylcarbitol (%), NLT	Mass fraction of ethyl cellosolve (%), NMT	Mass fraction of ethylene glycol (%), NMT
Technical ethylcarbitol	Hydraulic fluids; Synthesis of esters	Intended for the preparation of esters, preparation of brake and special hydraulic fluids.	Grade B	0.3 water	0.985–1.000	90	1	9

Methyl tert-butyl ether (MTBE)

Brand	Segment	Processing Method	Areas of use	Grade	Mass fraction of alcohol, NMT (%)	Mass fraction of impurities (%), NMT (including water)	Mass fraction of methyl-tretbutyl ether (%), NLT	Mass fraction of C4 and C8 hydrocarbons (%), NMT
МТБЭ	Component of motor fuels	Polymerization	Used as a high-octane component in motor gasoline.	Premium	1.5 methanol and tert-butanol	0.1 water	98	1.5

Brand	Segment	Processing Method	Areas of use	Grade	Mass fraction of alcohol, NMT (%)	Mass fraction of impurities (%), NMT (including water)	Mass fraction of methyl-tretbutyl ether (%), NLT	Mass fraction of C4 and C8 hydrocarbons (%), NMT
МТБЭ	Component of motor fuels	Polymerization	Used as a high-octane component in motor gasoline.	First	1 methanol and tert-butanol	0.1 water	97	2.5

Brand	Segment	Processing Method	Areas of use	Grade	Mass fraction of alcohol, NMT (%)	Mass fraction of impurities (%), NMT (including water)	Mass fraction of methyl-tretbutyl ether (%), NLT	Mass fraction of C4 and C8 hydrocarbons (%), NMT
МТБЭ	Component of motor fuels	Polymerization	Used as a high-octane component in motor gasoline.	B	2.5 methanol and tert-butanol	0.1 water	96	1.5

Brand	Segment	Processing Method	Areas of use	Grade	Mass fraction of alcohol, NMT (%)	Mass fraction of impurities (%), NMT (including water)	Mass fraction of methyl-tretbutyl ether (%), NLT	Mass fraction of C4 and C8 hydrocarbons (%), NMT
МТБЭ	Component of motor fuels	Polymerization	Used as a high-octane component in motor gasoline.	C	4 methanol and tert-butanol	0.1 water	94	3

Styrene

Brand	Segment	Processing Method	Areas of use	Mass fraction of styrene (%), NLT	Mass fraction of methylethylacrolein (%), NMT	Mass fraction of acetophenone (%), NMT	Mass fraction of carbonyl compounds in terms of benzaldehyde (%), NMT
СДМФК	Road markings; Resins; Paint and varnish	Polymerization	Intended for the production of polystyrene plastics, butadiene styrene rubbers, paint and varnish materials, adhesives, polystyrene foam plastics for the construction industry, ABS plastics, some thermoplastics.	99.8	0.006	0.006	0.01

Mass fraction of peroxide compounds in terms of active oxygen (%), NMT	Mass fraction of polymer (%), NMT	Pt/Co colority (Hazen), NMT	Mass fraction of para-tert-butylpyrocatechin stabilizer (%)
0.0005	0.001	10	0.0005 - 0.0010

Brand	Segment	Processing Method	Areas of use	Mass fraction of styrene (%), NLT	Mass fraction of carbonyl compounds in terms of benzaldehyde (%), NMT	Mass fraction of peroxide compounds in terms of active oxygen (%), NMT	Mass fraction of polymer (%), NMT
СДЭБ	Road markings; Resins; Paint and varnish	Polymerization	Intended for the production of polystyrene plastics, butadiene styrene rubbers, paint and varnish materials, adhesives, polystyrene foam plastics for the construction industry, ABS plastics, some thermoplastics.	99.8	0.01	0.0005	0.001

Pt/Co colority (Hazen), NMT	Mass fraction of para-tert-butylpyrocatechin stabilizer (%)	Mass fraction of phenylacetylene (%), NMT	Mass fraction of divinylbenzene (%), NMT
10	0.0005 - 0.0010	0.01	0.0005

BFA

Brand	Segment	Areas of use	Pt/Co colority (Hazen), under	Mass fraction of basic substance (%), NLT	Mass fraction of impurities (%), NMT (including water)	Crystallization temperature (°C), NLT	Mass fraction of the residue after calcination (%), NMT
BISPHENOL A	Optical lenses	Intended for the production of polycarbonates, polysulfones, epoxy resins, varnishes, adhesives and other products.	20	99.9	0.08 water; 0.00005 iron; 0.1 impurities	156.7	0.0005

Primary plasticizer

Brand	Segment	Areas of use	Benefits, in relation to segments/processing methods	Mass fraction of volatile substances (%), NMT	Pt/Co colority (Hazen), under	Mass fraction of basic substance (%), NLT	Mass fraction of impurities (%), NMT (including water)
Dioctyl Terephthalate (DOTP)	Oil additives	Used as an additive to PAO-oils	Reduced volatility, increased frost resistance, dielectric and thermal stability	≤ 0.10	≤ 15	≥ 99.0	≤ 0.05 water

Open flash point (°C), NLT	Density at 20°C (g/cm³), range	Acid index (mg KOH/g)	Refraction index at 20°C	Specific volumetric electrical resistance at 30 °C (Ω·cm)	Principal characteristics
≥ 220	0.981–0.987	≤ 0.03	1.487–1.492	≥ 4*1011	Phthalate-free plasticizer, harmless to health, approved for all applications

Brand	Segment	Areas of use	Benefits, in relation to segments/processing methods	Mass fraction of volatile substances (%), NMT	Pt/Co colority (Hazen), under	Mass fraction of basic substance (%), NLT	Mass fraction of impurities (%), NMT (including water)
Dioctyl Terephthalate (DOTP)	Roofing and waterproofing; Cable insulation; Floor coverings, wallpaper	PVC floor coverings, vinyl wallpaper, stretch ceilings, decorative PVC films Cable sheaths and insulation PVC membranes	Reduced volatility, increased frost resistance, dielectric and thermal stability	≤ 0.10	≤ 15	≥ 99.0	≤ 0.05 water

Open flash point (°C), NLT	Density at 20°C (g/cm³), range	Acid index (mg KOH/g)	Refraction index at 20°C	Specific volumetric electrical resistance at 30 °C (Ω·cm)	Principal characteristics
≥ 220	0.981–0.987	≤ 0.03	1.487–1.492	≥ 4*1011	Phthalate-free plasticizer, harmless to health, approved for all applications

Methoxypolyethylene Glycol (MPEG)

Brand	Segment	Areas of use	Mass fraction of impurities (%), NMT (including water)	Colority of the 25% solution (Hazen), NMT	Hydroxyl index (mgKON/g), range	pH of basic substance water-methanol solution, range	Diol index (%), NMT
MPEG 1000	Production of concrete mixes	Used as a solubilizer, viscosity regulator, antistatic agent, softener, gelatinizing, pelletizing and tableting auxiliary, "superplasticizers" of concrete mixtures.	0.1 water	20	53–59	5.5–7.7	1

Brand	Segment	Areas of use	Mass fraction of impurities (%), NMT (including water)	Colority of the 25% solution (Hazen), NMT	Hydroxyl index (mgKON/g), range	pH of basic substance water-methanol solution, range	Diol index (%), NMT
MPEG 1000M	Production of concrete mixes	Used as a solubilizer, viscosity regulator, antistatic agent, softener, gelatinizing, pelletizing and tableting auxiliary, "superplasticizers" of concrete mixtures.	0.1 water	20	53–59	5.5–7.8	1

Brand	Segment	Areas of use	Mass fraction of impurities (%), NMT (including water)	Colority of the 25% solution (Hazen), NMT	Hydroxyl index (mgKON/g), range	pH of basic substance water-methanol solution, range	Diol index (%), NMT
MPEG 1200	Production of concrete mixes	Used as a solubilizer, viscosity regulator, antistatic agent, softener, gelatinizing, pelletizing and tableting auxiliary, "superplasticizers" of concrete mixtures.	0.1 water	20	43–51	5.5–7.9	1

Brand	Segment	Areas of use	Mass fraction of impurities (%), NMT (including water)	Colority of the 25% solution (Hazen), NMT	Hydroxyl index (mgKON/g), range	pH of basic substance water-methanol solution, range	Diol index (%), NMT
MPEG 1500	Production of concrete mixes	Used as a solubilizer, viscosity regulator, antistatic agent, softener, gelatinizing, pelletizing and tableting auxiliary, "superplasticizers" of concrete mixtures.	0.1 water	20	34–40	5.5–7.10	1

Brand	Segment	Areas of use	Mass fraction of impurities (%), NMT (including water)	Colority of the 25% solution (Hazen), NMT	Hydroxyl index (mgKON/g), range	pH of basic substance water-methanol solution, range	Diol index (%), NMT
MPEG 3000	Production of concrete mixes	Used as a solubilizer, viscosity regulator, antistatic agent, softener, gelatinizing, pelletizing and tableting auxiliary, "superplasticizers" of concrete mixtures.	0.1 water	20	17.0–20.8	5.5–7.11	1

Brand	Segment	Areas of use	Mass fraction of impurities (%), NMT (including water)	Colority of the 25% solution (Hazen), NMT	Hydroxyl index (mgKON/g), range	pH of basic substance water-methanol solution, range	Diol index (%), NMT
MPEG 500	Production of concrete mixes	Used as a solubilizer, viscosity regulator, antistatic agent, softener, gelatinizing, pelletizing and tableting auxiliary, "superplasticizers" of concrete mixtures.	0.1 water	20	108–117	5.5–7.5	0.5

Brand	Segment	Areas of use	Mass fraction of impurities (%), NMT (including water)	Colority of the 25% solution (Hazen), NMT	Hydroxyl index (mgKON/g), range	pH of basic substance water-methanol solution, range	Diol index (%), NMT
MPEG 750	Production of concrete mixes	Used as a solubilizer, viscosity regulator, antistatic agent, softener, gelatinizing, pelletizing and tableting auxiliary, "superplasticizers" of concrete mixtures.	0.1 water	20	71–78	5.5–7.6	1

Oxal

Brand	Segment	Areas of use	Mass fraction of dimethyldioxane (%), NMT	Open flash point (°C), NLT	Solidification temperature (°C), NMT	Density at 20°C (g/cm³), range	Boiling point, °C
Oxal T-66	Hydraulic fluids	Used as an additional component in the manufacture of brake fluids	1.5	80	minus 40	1.000–1.120	Not standardized. Determination required.

Brand	Segment	Areas of use	Mass fraction of dimethyldioxane (%), NMT	Open flash point (°C), NLT	Solidification temperature (°C), NMT	Density at 20°C (g/cm³), range	Boiling point, °C
Oxal T-66	Paint and varnish	Used as an additional component/diluent in the manufacture of paint and varnish materials	1.5	80	minus 40	1.000–1.120	Not standardized. Determination required.

Brand	Segment	Areas of use	Mass fraction of dimethyldioxane (%), NMT	Open flash point (°C), NLT	Solidification temperature (°C), NMT	Density at 20°C (g/cm³), range	Ether index (mg KOH/g), range
Oxal T-92	PVC (various compounds for the manufacture of hoses, footwear, etc. non-responsible products)	Used as a plasticizer in the manufacture of consumer goods (PVC hoses, footwear soles, etc.)	0.2	130	minus 30	1.000–1.120	0.5–4.0

Mass fraction of hydroxyl groups (%), range
1.0–4.0

Brand	Segment	Areas of use	Mass fraction of dimethyldioxane (%), NMT	Open flash point (°C), NLT	Solidification temperature (°C), NMT	Density at 20°C (g/cm³), range	Ether index (mg KOH/g), range
Oxal T-92	Petrochemicals; Ore mining	Used as a component of solutions for ore flotation	0.2	130	minus 30	1.000–1.120	0.5–4.0

Mass fraction of hydroxyl groups (%), range
1.0–4.0

Brand	Segment	Areas of use	Mass fraction of dimethyldioxane (%), NMT	Open flash point (°C), NLT	Solidification temperature (°C), NMT	Density at 20°C (g/cm³), range	Ether index (mg KOH/g), range
Oxal T-92	Drilling fluids	Used as a component for solutions in oilfield services	0.2	130	minus 30	1.000–1.120	0.5–4.0

Mass fraction of hydroxyl groups (%), range
1.0–4.0

Brand	Segment	Areas of use	Mass fraction of dimethyldioxane (%), NMT	Open flash point (°C), NLT	Solidification temperature (°C), NMT	Density at 20°C (g/cm³), range	Mass fraction of hydroxyl groups (%), range
Oxal T-92 clarified	PVC (various compounds for the manufacture of hoses, footwear, etc. non-responsible products)	Used as a plasticizer in the manufacture of consumer goods (PVC hoses, footwear soles, etc.)	0.1	130	minus 35	1.02–1.12	0.05

Brand	Segment	Areas of use	Mass fraction of dimethyldioxane (%), NMT	Open flash point (°C), NLT	Solidification temperature (°C), NMT	Density at 20°C (g/cm³), range	Mass fraction of hydroxyl groups (%), range
Oxaplast	Cable insulation	Used to reduce the cost of the recipe in the production of cable flexible polyvinyl chloride (cable insulation)	0.1	130	minus 35	1.02–1.12	0.05

Polyethers, Polyols, Polyether Polyols, Laprol

Brand	Segment	Areas of use	Grade	Mass fraction of impurities (%), NMT (including water)	Hydroxyl index (mgKON/g), range	Acid index (mg KOH/g)	Hydrogen ion activity index (pH)
ПП-1000	Sandwich panels, TPU (thermoplastic polyurethanes), CASE	Rigid polyurethane materials, as the main polyol components, single-component polyurethane mounting foams and catalysts.	KOH > 100	0.045 water	150 – 160	0.10	4.5 – 7.0

Potassium ion content (K+) (mg/dm3) NMT	Dynamic viscosity at 25 °C (MPa·s)
≤ 10	200 – 300

Brand	Segment	Areas of use	Grade	Mass fraction of impurities (%), NMT (including water)	Hydroxyl index (mgKON/g), range	Dynamic viscosity at 50 °C (MPa·s), range
ПП-294	Sandwich panels, TPU (thermoplastic polyurethanes), CASE	Rigid polyurethane materials, as the main polyol components, single-component polyurethane mounting foams and catalysts.	KOH > 100	≤ 0.10 water; 9.1 – 10.0 nitrogen	720 – 800	1500 – 2000

Brand	Segment	Areas of use	Grade	Mass fraction of impurities (%), NMT (including water)	Hydroxyl index (mgKON/g), range	Acid index (mg KOH/g)	Hydrogen ion activity index (pH)
ПП-3003	Automotive industry	Highly elastic molded foams, polyurethane materials, CASE (Coatings, Adhesives, Sealants, Elastomers) - coatings, adhesives, sealants and elastomers.	KOH < 100	≤ 0.10 water	51 – 56	0.05	6.0 – 7.5

Potassium ion content (K+) (mg/dm3) NMT	Dynamic viscosity at 25 °C (MPa·s)	Iodine index (g of iodine per 100 g of product), NLT
≤ 5	450 – 550	1.50

Brand	Segment	Areas of use	Grade	Mass fraction of impurities (%), NMT (including water)	Hydroxyl index (mgKON/g), range	Acid index (mg KOH/g)	Hydrogen ion activity index (pH)
ПП-3603-2-12	Upholstered furniture, mattresses	Polyols ПП 4003-2-16 and 3603-2-12 are intended for the production of polyurethane materials in construction and in the furniture industry.	KOH < 100	≤ 0.10 water	44 – 50	0.10	5.5 – 7.5

Dynamic viscosity at 25 °C (MPa·s)
500 – 650

Brand	Segment	Areas of use	Grade	Mass fraction of impurities (%), NMT (including water)	Hydroxyl index (mgKON/g), range	Acid index (mg KOH/g)	Hydrogen ion activity index (pH)
ПП-373	Sandwich panels, TPU (thermoplastic polyurethanes), CASE	Rigid polyurethane materials, as the main polyol components, single-component polyurethane mounting foams and catalysts.	KOH > 100	≤ 0.10 water	430 – 480	0.20	5.5 – 7.5

Dynamic viscosity at 25 °C (MPa·s)
400 – 500

Brand	Segment	Areas of use	Grade	Mass fraction of impurities (%), NMT (including water)	Hydroxyl index (mgKON/g), range	Acid index (mg KOH/g)	Hydrogen ion activity index (pH)
ПП-4003-2-16	Upholstered furniture, mattresses	Polyols ПП 4003-2-16 and 3603-2-12 are intended for the production of polyurethane materials in construction and in the furniture industry.	KOH < 100	≤ 0.10 water	44 – 49	0.10	5.5 – 7.5

Dynamic viscosity at 25 °C (MPa·s)
500 – 680

Brand	Segment	Areas of use	Grade	Hydroxyl index (mgKON/g), range	Hydrogen ion activity index (pH)	Dynamic viscosity at 50 °C (MPa·s), range	Iodine index (g of iodine per 100 g of product), NLT	Clearing temperature (°C)
ПП-4202-2Б-30	Reagents, demulsifiers	Reagents - demulsifiers of oils.	ПП-Н	25 – 33	5.5 – 7.5	210 – 300	2.50	55 – 70

Brand	Segment	Areas of use	Grade	Hydroxyl index (mgKON/g), range	Dynamic viscosity at 50 °C (MPa·s), range	Iodine index (g of iodine per 100 g of product), NLT	Clearing temperature (°C)
ПП-4202-2Б-30	Reagents, demulsifiers	Reagents - demulsifiers of oils.	ПП-Щ	27 – 35	210 – 300	2.50	55 – 70

Brand	Segment	Areas of use	Grade	Hydroxyl index (mgKON/g), range	Dynamic viscosity at 50 °C (MPa·s), range	Iodine index (g of iodine per 100 g of product), NLT	Clearing temperature (°C)
ПП-4202-2Б-30	Reagents, demulsifiers	Reagents - demulsifiers of oils.	ПП-Щ-Г	26 – 42	≥ 180	3.50	50 – 70

Brand	Segment	Areas of use	Grade	Mass fraction of impurities (%), NMT (including water)	Hydroxyl index (mgKON/g), range	Acid index (mg KOH/g)	Hydrogen ion activity index (pH)
ПП-4503	Automotive industry	Highly elastic molded foams, polyurethane materials, CASE (Coatings, Adhesives, Sealants, Elastomers) - coatings, adhesives, sealants and elastomers.	KOH < 100	≤ 0.10 water	33 – 37	0.10	5.5 – 7.0

Potassium ion content (K+) (mg/dm3) NMT	Dynamic viscosity at 25 °C (MPa·s)	Iodine index (g of iodine per 100 g of product), NLT
≤ 10	1050	2.40

Brand	Segment	Areas of use	Grade	Mass fraction of impurities (%), NMT (including water)	Hydroxyl index (mgKON/g), range	Acid index (mg KOH/g)	Hydrogen ion activity index (pH)
ПП-5003-2-15	Automotive industry	Highly elastic molded foams, polyurethane materials, CASE (Coatings, Adhesives, Sealants, Elastomers) - coatings, adhesives, sealants and elastomers.	KOH < 100	≤ 0.10 water	32 – 36	0.10	6.0 – 7.5

Potassium ion content (K+) (mg/dm3) NMT	Dynamic viscosity at 25 °C (MPa·s)	Iodine index (g of iodine per 100 g of product), NLT
≤ 20	700 – 950	2.00

Brand	Segment	Areas of use	Grade	Mass fraction of impurities (%), NMT (including water)	Hydroxyl index (mgKON/g), range	Acid index (mg KOH/g)	Hydrogen ion activity index (pH)
ПП-5003-2-Б10	Automotive industry	Highly elastic molded foams, polyurethane materials, CASE (Coatings, Adhesives, Sealants, Elastomers) - coatings, adhesives, sealants and elastomers.	KOH < 100	≤ 0.10 water	32 – 36	0.10	6.0 – 7.5

Potassium ion content (K+) (mg/dm3) NMT	Dynamic viscosity at 25 °C (MPa·s)	Iodine index (g of iodine per 100 g of product), NLT
≤ 20	800 – 950	2.00

Brand	Segment	Areas of use	Grade	Mass fraction of impurities (%), NMT (including water)	Hydroxyl index (mgKON/g), range	Dynamic viscosity at 25 °C (MPa·s)
ПП-5004	Reagents, demulsifiers	Reagents - demulsifiers of oils.	KOH < 100	≤ 0.10 water	42 – 49	700 – 1000

Brand	Segment	Areas of use	Grade	Mass fraction of impurities (%), NMT (including water)	Hydroxyl index (mgKON/g), range	Acid index (mg KOH/g)	Hydrogen ion activity index (pH)
ПП-5503-2-16	Automotive industry	Highly elastic molded foams, polyurethane materials, CASE (Coatings, Adhesives, Sealants, Elastomers) - coatings, adhesives, sealants and elastomers.	KOH < 100	≤ 0.10 water	29 – 33	0.10	5.5 – 7.5

Dynamic viscosity at 25 °C (MPa·s)	Iodine index (g of iodine per 100 g of product), NLT
800 – 1100	2.20

Brand	Segment	Areas of use	Grade	Mass fraction of impurities (%), NMT (including water)	Hydroxyl index (mgKON/g), range	Acid index (mg KOH/g)	Hydrogen ion activity index (pH)
ПП-6003-2Б-18	Reagents, demulsifiers	Reagents - demulsifiers of oils.	ПП-Н	≤ 0.10 water	25 – 29	0.10	5.5 – 7.5

Dynamic viscosity at 25 °C (MPa·s)	Iodine index (g of iodine per 100 g of product), NLT
1000 – 1300	2.50

Brand	Segment	Areas of use	Grade	Mass fraction of impurities (%), NMT (including water)	Hydroxyl index (mgKON/g), range	Hydrogen ion activity index (pH)	Dynamic viscosity at 25 °C (MPa·s)
ПП-6003-2Б-18	Reagents, demulsifiers	Reagents - demulsifiers of oils.	ПП-Щ	≤ 0.30 water	26 – 31	12.4 – 13.5	1000 – 2000

USPEG

Brand	Segment	Areas of use	Mass fraction of impurities (%), NMT (including water)	Colority of the 25% solution (Hazen), NMT	Hydroxyl index (mgKON/g), range	Aqueous solution pH, range
Unsaturated polyethylene glycol (USPEG)	Plasticizers	Unsaturated polyethylene glycol is used for the production of "superplasticizers" of concrete mixtures.	0.5 water	25	21.5–25.5	5.5–7.5

Amines

Brand	Segment	Areas of use	Mass fraction of basic substance (%), NLT	Special additives	Principal characteristics
Diethanolamine Grade B	Paint and varnish	For the production of plasticizers, surfactants, paint dispersants, corrosion inhibitors	98	No additives	Thick transparent viscous liquid or crystals from colorless to yellow, obtained by the interaction of ammonia or an aqueous solution of ammonia with ethylene oxide

Brand	Segment	Areas of use	Mass fraction of basic substance (%), NLT	Special additives	Principal characteristics	Mass fraction of impurities (%), NMT (including water)	Colority (Hazen), NMT
Monoethanolamine Premium grade	Paint and varnish	For the production of plasticizers, surfactants, paint dispersants, corrosion inhibitors	98.8	No additives	Liquid obtained by the interaction of ammonia or an aqueous solution of ammonia with ethylene oxide	0.6	50

Brand	Segment	Areas of use	Mass fraction of basic substance (%), NLT	Special additives	Principal characteristics	Mass fraction of impurities (%), NMT (including water)
Pure diethanolamine	Paint and varnish	For the production of plasticizers, surfactants, paint dispersants, corrosion inhibitors	50	No additives	Viscous transparent liquid, or crystals, color from light yellow to light brown, opalescence is allowed	Mass fraction of triethanolamin, 47%. The mass fraction of monoethanolamine, 5%. Mass fraction of water, 1%

PET

Brand	Segment	Processing Method	Areas of use	Inherent viscosity, dL/g	Melting point, C	Principal characteristics
PET	Rigid packaging; Home care, cosmetics and personal care products; Food industry; Food-grade containers, Water containers	Extrusion	Used for the manufacture of preforms for blowing bottles for food, cosmetic and pharmaceutical purposes	0.78–0.82	245–249	A high-molecular polymer based on polyester, which is a product of the interaction of terephthalic acid (TFC) with ethylene glycol (EG), followed by polycondensation in the presence of a catalyst and crystallization. The composition also contains isophthalic acid (IFK) and diethylene glycol (DEG)

Brand	Segment	Processing Method	Areas of use	Inherent viscosity, dL/g	Melting point, C	Principal characteristics
PET BB grade A	Rigid packaging; Food-grade containers, Water containers	Extrusion	Used for the manufacture of preforms for blowing PET kegs, cooler PET bottles and other large containers with a volume of 10 L or more	0.88–0.91	245–249	A high-molecular polymer based on polyester, which is a product of the interaction of terephthalic acid (TFC) with ethylene glycol (EG), followed by polycondensation in the presence of a catalyst and crystallization. The composition also contains isophthalic acid (IFK) and diethylene glycol (DEG)

Brand	Segment	Processing Method	Areas of use	Inherent viscosity, dL/g	Melting point, C	Principal characteristics
PET BB grade B	Rigid packaging; Food-grade containers, Water containers	Extrusion	Used for the manufacture of preforms for blowing PET kegs, cooler PET bottles and other large containers with a volume of 10 L or more	0.92–0.95	245–249	A high-molecular polymer based on polyester, which is a product of the interaction of terephthalic acid (TFC) with ethylene glycol (EG), followed by polycondensation in the presence of a catalyst and crystallization. The composition also contains isophthalic acid (IFK) and diethylene glycol (DEG)

Brand	Segment	Processing Method	Areas of use	Inherent viscosity, dL/g	Melting point, C	Principal characteristics
PET BB grade C	Rigid packaging; Food-grade containers, Water containers	Extrusion	Used for the manufacture of preforms for blowing PET kegs, cooler PET bottles and other large containers with a volume of 10 L or more	0.84–0.87	245–249	A high-molecular polymer based on polyester, which is a product of the interaction of terephthalic acid (TFC) with ethylene glycol (EG), followed by polycondensation in the presence of a catalyst and crystallization. The composition also contains isophthalic acid (IFK) and diethylene glycol (DEG)

Brand	Segment	Processing Method	Areas of use	Inherent viscosity, dL/g	Melting point, C	Principal characteristics
PET FF	Flexible packaging	Extrusion	Used for the manufacture of BOPET films and further production of flexible food-grade packaging	0.62 - 0.64	245 - 255	A high molecular weight polymer based on polyester, a product of terephthalic acid (TPA) and ethylene glycol (EG) interaction.

Brand	Segment	Processing Method	Areas of use	Inherent viscosity, dL/g	Melting point, C	Principal characteristics
PET MG292 A	Packaging for infusion solutions, blisters, polymer cans	Injection molding	Vacuum tubes for blood collection, blister packs, containers for medicines	0,58 – 0,61	246 – 255	High barrier polymer with high transparency

Brand	Segment	Processing Method	Areas of use	Inherent viscosity, dL/g	Melting point, C	Principal characteristics
PET T	Syringes; Laboratory plastic	Thermal molding	Injection and thermoformed products (vacuum tubes for blood collection, blister packs, containers for medicines and vitamins)	0.58–0.60	245 - 255	High-barrier polymer with high transparency

Brand	Segment	Processing Method	Areas of use	Inherent viscosity, dL/g	Melting point, C	Principal characteristics
Vivilen rPET	Rigid packaging; Home care, cosmetics and personal care products; Food industry; Food-grade containers, Water containers	Extrusion	Used for the manufacture of preforms for blowing bottles for food, cosmetic and pharmaceutical purposes	0.74–0.86	243 - 255	A high-molecular polymer based on primary PET and containing up to 25% of secondary polyethylene terephthalate (used PET packaging)

Acrylic acid 2-ethylhexyl ether

Brand	Segment	Processing Method	Areas of use	Pt/Co colority (Hazen), under	Mass fraction of water (moisture) (ppm), NMT	Mass fraction of basic substance (%), NLT	Mass fraction of inhibitor* (ppm)	Mass fraction of acrylic acid, NMT (%)
2 Ethylhexi acrylate	Road markings; Paint and varnish	Blending	Used to produce acrylic and styrene-acrylic dispersions used in the production of a wide range of products (paints and adhesives), as well as acrylic resins	≤10	≤0.05	≥99.6	15 ±5	≤0.005

Acrylic acid methyl ether

Brand	Segment	Processing Method	Areas of use	Pt/Co colority (Hazen), under	Mass fraction of water (moisture) (ppm), NMT	Mass fraction of basic substance (%), NLT	Mass fraction of inhibitor* (ppm)
Methyl acrylate	Water treatment; PVC (various compounds for the manufacture of hoses, footwear, etc. non-responsible products)	Blending	Used to produce acrylic fibers, polymethyl methacrylate, PVC impact resistance modifiers, as well as in the production of some adhesives, flocculants for water treatment and copolymers	≤10	≤0.05	≥99.7	15 ±5

Mass fraction of acrylic acid, NMT (%)	Mass fraction of methyl propionate, NMT (%)	Mass fraction of methyl acetate, NMT (%)	Mass fraction of alcohol, NMT (%)
≤0.005	≤0.05	≤0.1	≤0.01

Acrylic acid butyl ether

Brand	Segment	Processing Method	Areas of use	Pt/Co colority (Hazen), under	Mass fraction of water (moisture) (ppm), NMT	Mass fraction of basic substance (%), NLT	Mass fraction of inhibitor* (ppm)
Butyl acrylate	Road markings; Paint and varnish	Blending	Used to produce acrylic dispersions for the production of lacquers, paints and adhesive materials	≤10	≤0.05	≥99.5	15 ±5

Mass fraction of acrylic acid, NMT (%)	Mass fraction of butyl acetate, NMT (%)	Mass fraction of butyl propionate, NMT (%)	Mass fraction of alcohol, NMT (%)
≤0.005	≤0.1	≤0.05	≤0.1

Acrylic acid

Brand	Segment	Processing Method	Areas of use	Pt/Co colority (Hazen), under	Mass fraction of water (moisture) (ppm), NMT	Mass fraction of basic substance (%), NLT	Mass fraction of acetic acid, NMT (%)
Acrylic acid grade "E" (ether quality)	Production of concrete mixes; Water treatment; Detergents; PAK	Polymerization	Used to produce acrylic esters, acrylic emulsions, copolymers and other polymer materials	≤500	≤0.1	≥99	≤0.1

Mass fraction of propionic acid, NMT (%)	Mass fraction of inhibitor* (ppm)	Mass fraction of furfural and acrolein (%), NMT
0.05	50–150	Not standardized

Brand	Segment	Processing Method	Areas of use	Pt/Co colority (Hazen), under	Mass fraction of water (moisture) (ppm), NMT	Mass fraction of basic substance (%), NLT	Mass fraction of acetic acid, NMT (%)
Acrylic acid of the "P" grade (polymer quality)	Production of concrete mixes; Water treatment; Detergents; PAK	Polymerization	Used to produce acrylic esters, acrylic emulsions, copolymers and other polymer materials	≤10	≤0.1	≥99.5	≤0.1

Mass fraction of propionic acid, NMT (%)	Mass fraction of inhibitor* (ppm)	Mass fraction of furfural and acrolein (%), NMT
0.05	200 ±20	≤0.02

Fractions of alpha-olefins

Brand	Segment	Areas of use	Mass fraction of impurities (%), NMT (including water)	Density at 20°C (g/cm³), range	Mass fraction of peroxide compounds in terms of active oxygen (%), NMT	Mass fraction of C10 and above hydrocarbons (%), NMT	Mass fraction of C12 and above hydrocarbons (%), NMT
Fraction of C10 "Decene-1" alpha-olefins	Floor coverings, wallpaper	Used for the production of synthetic lubricating oils, in the production of plasticizers by the method of oxosynthesis, surfactant.	0.005 water	First	0.00005	94.7	not standardized

Mass fraction of C8 and higher hydrocarbons (%), NMT	Mass fraction of linear alpha-olefins (%), NLT	Total mass fraction of vinylidene olefins and olefins with internal double bond (%), NMT	Mass fraction of carbonyl compounds in terms of CO-group (%), NMT
not standardized	87	13	0.0005

Brand	Segment	Areas of use	Mass fraction of impurities (%), NMT (including water)	Density at 20°C (g/cm³), range	Mass fraction of peroxide compounds in terms of active oxygen (%), NMT	Mass fraction of C10 and above hydrocarbons (%), NMT	Mass fraction of C12 and above hydrocarbons (%), NMT
Fraction of C10 "Decene-1" alpha-olefins	Industrial additives	Used for the production of synthetic lubricating oils, in the production of plasticizers by the method of oxosynthesis, surfactant.	0.005 water	Premium	0.00005	99	0.50

Mass fraction of C8 and higher hydrocarbons (%), NMT	Mass fraction of linear alpha-olefins (%), NLT	Total mass fraction of vinylidene olefins and olefins with internal double bond (%), NMT	Mass fraction of carbonyl compounds in terms of CO-group (%), NMT
0.5	94	6	0.0005

Brand	Segment	Areas of use	Mass fraction of impurities (%), NMT (including water)	Density at 20°C (g/cm³), range	Mass fraction of peroxide compounds in terms of active oxygen (%), NMT	Mass fraction of C12 and above hydrocarbons (%), NMT	Mass fraction of linear alpha-olefins (%), NLT
Fraction of C12 alpha-olefins	Home care products	Used for the production of synthetic lubricant oils, olefinosulfonates and technical detergents, in particular, sulfonol НП-3.	0.01 water	Premium	0.0005	98.00	84

Total mass fraction of vinylidene olefins and olefins with internal double bond (%), NMT	Mass fraction of C16+ hydrocarbons (%), NMT	Mass fraction of amines in terms of nitrogen (%), NMT
13	1.00	0.00005

Brand	Segment	Areas of use	Mass fraction of impurities (%), NMT (including water)	Density at 20°C (g/cm³), range	Mass fraction of peroxide compounds in terms of active oxygen (%), NMT	Mass fraction of C12 and above hydrocarbons (%), NMT	Mass fraction of linear alpha-olefins (%), NLT
Fraction of C12 alpha-olefins	Home care products	Used for the production of synthetic lubricant oils, olefinosulfonates and technical detergents, in particular, sulfonol НП-3.	0.01 water	First	0.0005	80.00	81

Total mass fraction of vinylidene olefins and olefins with internal double bond (%), NMT	Mass fraction of C16+ hydrocarbons (%), NMT	Mass fraction of amines in terms of nitrogen (%), NMT
13	19.00	0.00005

Brand	Segment	Areas of use	Mass fraction of impurities (%), NMT (including water)	Mass fraction of peroxide compounds in terms of active oxygen (%), NMT	Mass fraction of C10 and above hydrocarbons (%), NMT	Mass fraction of C12 and above hydrocarbons (%), NMT	Mass fraction of linear alpha-olefins (%), NLT
Fraction of C12-C14 alpha-olefins	Industrial additives	Used as a comonomer in the processes of gas-phase, suspension and solution polymerization with ethylene.	0.01 water	0.0005	98	1.0	82

Total mass fraction of vinylidene olefins and olefins with internal double bond (%), NMT	Mass fraction of amines in terms of nitrogen (%), NMT
16	0.00005

Brand	Segment	Areas of use	Mass fraction of impurities (%), NMT (including water)	Mass fraction of peroxide compounds in terms of active oxygen (%), NMT	Mass fraction of linear alpha-olefins (%), NLT	Total mass fraction of vinylidene olefins and olefins with internal double bond (%), NMT	Mass fraction of amines in terms of nitrogen (%), NMT
Fraction of C14 alpha-olefins	Industrial additives	Used for the production of synthetic lubricant oils, olefinosulfonates and technical detergents, in particular, sulfonol НП-3	0.01 water	0.0005	84	12	0.00005

Boiling end temperature (°C), NMT	Mass fraction of C16 (%), NMT	Mass fraction of C14 and below hydrocarbons (%), NMT
Not standardized. Determination required	1	98

Brand	Segment	Areas of use	Mass fraction of impurities (%), NMT (including water)	Density at 20°C (g/cm³), range	Mass fraction of peroxide compounds in terms of active oxygen (%), NMT	Mass fraction of linear alpha-olefins (%), NLT	Total mass fraction of vinylidene olefins and olefins with internal double bond (%), NMT
Fraction of C16 -C18 alpha-olefins	Industrial additives	Used for the production of alkylsalicylate additives and synthetic fatty acids.	0.01 water	Not standardized. Determination required	0.0005	45	55

Boiling end temperature (°C), NMT	Mass fraction of C16 (%), NMT	Mass fraction of C14 and below hydrocarbons (%), NMT	Mass fraction of C18 hydrocarbons (%), NLT	Mass fraction of C20+ hydrocarbons (%), NMT	Distillation temperature of 65 % product volume (°C), above	Distillation temperature of 85 % product volume (°C, NMT)
Not standardized. Determination required	67	2	28	3	250	350

Distillation temperature of 90 % product volume (°C)
Not standardized. Determination required

Brand	Segment	Areas of use	Mass fraction of impurities (%), NMT (including water)	Mass fraction of peroxide compounds in terms of active oxygen (%), NMT	Mass fraction of C8 and higher hydrocarbons (%), NMT	Mass fraction of linear alpha-olefins (%), NLT	Total mass fraction of vinylidene olefins and olefins with internal double bond (%), NMT
Fraction of C6 "Hexene-1" alpha-olefins	Industrial additives	Used as a comonomer in the processes of gas-phase, suspension and solution polymerization with ethylene.	0.0025 water	0.0001	0.25	98	2

Mass fraction of carbonyl compounds in terms of CO-group (%), NMT	Mass fraction of C6 hydrocarbons (%), NLT	Mass fraction of C4 (%), NMT
0.0001	99.5	0.25

Brand	Segment	Areas of use	Mass fraction of impurities (%), NMT (including water)	Density at 20°C (g/cm³), range	Mass fraction of peroxide compounds in terms of active oxygen (%), NMT	Mass fraction of C10 and above hydrocarbons (%), NMT	Mass fraction of C8 and higher hydrocarbons (%), NMT
Fraction of C8 "Octene-1" alpha-olefins	Industrial additives	Used for the production of synthetic lubricating oils, as a comonomer in the process of low-density linear polyethylene production, in the production of plasticizers by the method of oxosynthesis, surfactant.	0.01 water	First	Not standardized	0.5	99

Mass fraction of linear alpha-olefins (%), NLT	Total mass fraction of vinylidene olefins and olefins with internal double bond (%), NMT	Mass fraction of carbonyl compounds in terms of CO-group (%), NMT	Mass fraction of amines in terms of nitrogen (%), NMT	Mass fraction of C6 hydrocarbons (%), NLT	Mass fraction of toluene (%), NMT
93	7	Not standardized	0.00005	0.5	0.7

Brand	Segment	Areas of use	Mass fraction of impurities (%), NMT (including water)	Density at 20°C (g/cm³), range	Mass fraction of peroxide compounds in terms of active oxygen (%), NMT	Mass fraction of C10 and above hydrocarbons (%), NMT	Mass fraction of C8 and higher hydrocarbons (%), NMT
Fraction of C8 "Octene-1" alpha-olefins	Industrial additives	Used for the production of synthetic lubricating oils, as a comonomer in the process of low-density linear polyethylene production, in the production of plasticizers by the method of oxosynthesis, surfactant.	0.005 water	Premium	0.0005	0.5	99

Mass fraction of linear alpha-olefins (%), NLT	Total mass fraction of vinylidene olefins and olefins with internal double bond (%), NMT	Mass fraction of carbonyl compounds in terms of CO-group (%), NMT	Mass fraction of amines in terms of nitrogen (%), NMT	Mass fraction of C6 hydrocarbons (%), NLT	Mass fraction of toluene (%), NMT
96	4	0.0005	0.00005	0.5	0.0001

SBS

Brand	Segment	Areas of use	Benefits, in relation to segments/processing methods	Mass fraction of volatile substances (%), NMT	Bound styrene content (%)	Breaking elongation (%), NLT	Kinematic viscosity of 5.23% solution in toluene at temperature of (25 ±0.1) °C, cSt
DST L 30-01	Asphalt and bitumen; Roofing and waterproofing	Polymer-bitumen binder (PBB), mastics, sealants	High asphalt concrete strength	≤ 0.8	28.5–31.5	≥ 700	14 ±5

Melt flow index, 190 °C/5 kgf (g/10 min)	Nominal tensile strength (MPa)	Elasticity modulus 300% (MPa)	Shore A hardness (c.u.)	Principal characteristics
< 1	≥ 14.7	≥ 2.7	72±5	High crack resistance, resistance to rutting, excellent manufacturability

Brand	Segment	Areas of use	Benefits, in relation to segments/processing methods	Mass fraction of volatile substances (%), NMT	Bound styrene content (%)	Breaking elongation (%), NLT	Kinematic viscosity of 5.23% solution in toluene at temperature of (25 ±0.1) °C, cSt
DST L 30-01(CP)	Asphalt and bitumen	Polymer-bitumen binder (PBB)	Improved properties that provide high resistance to delamination (storage stability) of polymer-bitumen binder	≤ 0.8	28.5–31.5	≥ 700	12 ±5

Melt flow index, 190 °C/5 kgf (g/10 min)	Nominal tensile strength (MPa)	Elasticity modulus 300% (MPa)	Shore A hardness (c.u.)	Principal characteristics
< 1	≥ 14.7	≥ 2.7	72±5	High asphalt concrete strength characteristics, crack resistance, resistance to rutting

Brand	Segment	Areas of use	Benefits, in relation to segments/processing methods	Mass fraction of volatile substances (%), NMT	Bound styrene content (%)	Breaking elongation (%), NLT	Kinematic viscosity of 5.23% solution in toluene at temperature of (25 ±0.1) °C, cSt
DST R 30-00	Asphalt and bitumen; Roofing and waterproofing	Polymer-modified bitumen roofing and waterproofing materials	High heat resistance	≤ 0.8	28.5–31.5	≥ 550	25 ±10

Melt flow index, 190 °C/5 kgf (g/10 min)	Nominal tensile strength (MPa)	Elasticity modulus 300% (MPa)	Shore A hardness (c.u.)	Principal characteristics
< 1	≥ 8.0	≥ 2.0	75 ±5	High frost resistance, stress-strain properties, manufacturability

Brand	Segment	Areas of use	Benefits, in relation to segments/processing methods	Bound styrene content (%)	Breaking elongation (%), NLT	Kinematic viscosity of 5.23% solution in toluene at temperature of (25 ±0.1) °C, cSt	Melt flow index, 190 °C/5 kgf (g/10 min)
SBS L 30-01A / SBS-330L	Asphalt and bitumen; Roofing and waterproofing	Polymer-bitumen binder (PBB), mastics, sealants	High asphalt concrete strength	28.5–31.5	≥ 700	14 ±5	< 1

Nominal tensile strength (MPa)	Elasticity modulus 300% (MPa)	Shore A hardness (c.u.)	Principal characteristics	Mass fraction of calcium stearate (%), NMT
≥ 14.7	≥ 2.7	80 ±3	High crack resistance, resistance to rutting, excellent manufacturability	≤ 0.8

Brand	Segment	Areas of use	Benefits, in relation to segments/processing methods	Mass fraction of volatile substances (%), NMT	Bound styrene content (%)	Breaking elongation (%), NLT	Kinematic viscosity of 5.23% solution in toluene at temperature of (25 ±0.1) °C, cSt
SBS L 30-01AP	Cable insulation	Footwear, cable, household articles	High absorption rate and oil distribution quality	≤ 0.8	30±1.5	≥ 700	14 ±5

Melt flow index, 190 °C/5 kgf (g/10 min)	Nominal tensile strength (MPa)	Elasticity modulus 300% (MPa)	Shore A hardness (c.u.)	Principal characteristics	Processing Method	Additional parameters
<1	≥ 14.7	≥ 2.7	80 ±3	High porosity, medium thermal stability, high mechanical properties	Extrusion	OIT — 187 °C

Brand	Segment	Areas of use	Benefits, in relation to segments/processing methods	Mass fraction of volatile substances (%), NMT	Bound styrene content (%)	Breaking elongation (%), NLT	Kinematic viscosity of 5.23% solution in toluene at temperature of (25 ±0.1) °C, cSt
SBS L 30-01K	Automotive components	Road markings	High absorption rate and oil distribution quality, increased wear resistance, thermal stability	≤ 0.8	28.0–32.0	≥ 700	16 ±5

Melt flow index, 190 °C/5 kgf (g/10 min)	Shore A hardness (c.u.)	Principal characteristics	Additional parameters
< 1	77±5	Increased thermal stability, high porosity, improved mechanical properties	OIT — 204 °C

Brand	Segment	Areas of use	Benefits, in relation to segments/processing methods	Mass fraction of volatile substances (%), NMT	Bound styrene content (%)	Breaking elongation (%), NLT	Melt flow index, 190 °C/5 kgf (g/10 min)
SBS L 7317	Roofing and waterproofing	Self-adhesive roofing and waterproofing materials	Low viscosity, high stickiness and adhesion	≤ 0.5	32 ±1.5	≥ 600 (up to 1000–1100)	7.0 ±2.0

Nominal tensile strength (MPa)	Shore A hardness (c.u.)	Principal characteristics
≥ 3.0 (up to 4.0–4.5)	72–82	Produced without the use of BHT

Brand	Segment	Areas of use	Bound styrene content (%)	Breaking elongation (%), NLT	Melt flow index, 190 °C/5 kgf (g/10 min)	Nominal tensile strength (MPa)
SBS L 7322	Automotive components	Transparent compounds, modification of plastics, adhesives	27.5 – 30.5	≥800	3–9	>10.0

Brand	Segment	Areas of use	Benefits, in relation to segments/processing methods	Mass fraction of volatile substances (%), NMT	Bound styrene content (%)	Breaking elongation (%), NLT	Melt flow index, 190 °C/5 kgf (g/10 min)
SBS L 7417	Roofing and waterproofing	Self-adhesive roofing and waterproofing materials	Low viscosity, high stickiness and adhesion	≤ 0.5	36.0–38.0	≥ 250	16.0–25.0

Nominal tensile strength (MPa)	Shore A hardness (c.u.)	Principal characteristics	Additional parameters
≥1.7	80–92	High manufacturability, low viscosity; produced without the use of BHT	Diblock copolymer content – 65-75%. Dynamic viscosity at 25 °C, 25% r-r in toluene — approx. 400 MPa °C

Brand	Segment	Areas of use	Bound styrene content (%)	Breaking elongation (%), NLT	Melt flow index, 190 °C/5 kgf (g/10 min)	Nominal tensile strength (MPa)
SBS L 7420	Automotive components	Compounds with improved mechanical characteristics, Increased impact resistance of plastics, adhesives	38.5 – 41.5	≥550	3–11	>17.0

Brand	Segment	Areas of use	Benefits, in relation to segments/processing methods	Mass fraction of volatile substances (%), NMT	Bound styrene content (%)	Breaking elongation (%), NLT	Kinematic viscosity of 5.23% solution in toluene at temperature of (25 ±0.1) °C, cSt
SBS R 30-00A / SBS-330R	Automotive components	Polymer-modified bitumen roofing and waterproofing materials	High heat resistance	≤ 0.8	28.5–31.5	≥ 550	26 ±4

Melt flow index, 190 °C/5 kgf (g/10 min)	Nominal tensile strength (MPa)	Elasticity modulus 300% (MPa)	Shore A hardness (c.u.)	Principal characteristics
< 1	≥ 8.0	≥ 2.0	82 ±5	High frost resistance, stress-strain properties, manufacturability

Brand	Segment	Areas of use	Benefits, in relation to segments/processing methods	Mass fraction of volatile substances (%), NMT	Bound styrene content (%)	Breaking elongation (%), NLT	Kinematic viscosity of 5.23% solution in toluene at temperature of (25 ±0.1) °C, cSt
SBS R 30-01AP	Household appliances, electronics, toys, tool making; Footwear; Cable insulation	Footwear, cable, household articles	High absorption rate and oil distribution quality	≤ 0.8	30±1.5	≥ 550	26 ±4

Melt flow index, 190 °C/5 kgf (g/10 min)	Nominal tensile strength (MPa)	Elasticity modulus 300% (MPa)	Shore A hardness (c.u.)	Principal characteristics	Additional parameters
<1	≥ 8.0	≥ 2.0	82 ±5	Increased thermal stability, high porosity, improved mechanical properties, the greatest effect is achieved when combined with a radial K grade	OIT — 180 °C

Brand	Segment	Areas of use	Benefits, in relation to segments/processing methods	Mass fraction of volatile substances (%), NMT	Bound styrene content (%)	Breaking elongation (%), NLT	Kinematic viscosity of 5.23% solution in toluene at temperature of (25 ±0.1) °C, cSt
СБС Л 30–01А / СБС-330Л	Automotive components	Polymer-bitumen binder (PBB), mastics, sealants	High asphalt concrete strength	≤ 0.8	28.5–31.5	≥ 700	14 ±5

Melt flow index, 190 °C/5 kgf (g/10 min)	Nominal tensile strength (MPa)	Elasticity modulus 300% (MPa)	Shore A hardness (c.u.)	Principal characteristics
< 1	≥ 14.7	≥ 2.7	80 ±3	High crack resistance, resistance to rutting, excellent manufacturability

Foaming suspension polystyrene

Brand	Segment	Processing Method	Areas of use	Pellet size (mm)	Basic fraction share (%)	Mass fraction of pentane (%)	Moisture content, NMT (%)
ALPHAPOR, SE 201	Heat and sound insulation; Barrier structures	Foaming	Low- and medium-density self-extinguishing heat and sound insulation boards. Polystyrene concrete.	1.4–2.2	99	5–7	1
	Mass fraction of monomer (%) 0.1						

Brand	Segment	Processing Method	Areas of use	Pellet size (mm)	Basic fraction share (%)	Mass fraction of pentane (%)	Moisture content, NMT (%)
ALPHAPOR, SE 301	Heat and sound insulation; Heat insulation layers, light earth fills	Foaming	Styrofoam blocks for light earth fills during road construction. Low- and medium-density self extinguishing heat and sound insulation boards. Polystyrene concrete.	0.96–1.6	99	5–7	1
	Mass fraction of monomer (%) 0.1						

Brand	Segment	Processing Method	Areas of use	Pellet size (mm)	Basic fraction share (%)	Mass fraction of pentane (%)	Moisture content, NMT (%)
ALPHAPOR, SE 401	Heat and sound insulation; Heat insulation layers, light earth fills; Packaging elements for household appliances	Foaming	Medium-density self-extinguishing thermal insulation boards. Molding products with a thickness of over 10 mm. Ceiling slabs and baseboards. Styrofoam blocks for light earth fills during road construction. Polystyrene concrete.	0.7–1.0	98	5–7	1

Mass fraction of monomer (%)
0.1

Brand	Segment	Processing Method	Areas of use	Pellet size (mm)	Basic fraction share (%)	Mass fraction of pentane (%)	Moisture content, NMT (%)
ALPHAPOR, SE 501	Heat and sound insulation; Packaging elements for household appliances	Foaming	Medium- and high-density self-extinguishing heat and sound insulation boards. Molding products. Ceiling slabs and baseboards. Decorative products.	0.45–0.7	99	5–7	1

Mass fraction of monomer (%)
0.1

Brand	Segment	Processing Method	Areas of use	Pellet size (mm)	Basic fraction share (%)	Mass fraction of pentane (%)	Moisture content, NMT (%)
ALPHAPOR, SE 502	Heat and sound insulation; Packaging elements for household appliances	Foaming	Medium- and high-density self-extinguishing heat and sound insulation boards. Molding products. Ceiling slabs and baseboards. Decorative products	0.3–0.45	99	5–7	1

Mass fraction of monomer (%)
0.1

Brand	Segment	Processing Method	Areas of use	Pellet size (mm)	Moisture content, NMT (%)
ALPHAPOR, SE 601	Heat and sound insulation	Extrusion	XPS boards	<0,3	1

Brand	Segment	Processing Method	Areas of use	Pellet size (mm)	Moisture content, NMT (%)
ALPHAPOR, SE 701	XPS plates	Extrusion	XPS boards	<0,3	25

Brand	Segment	Processing Method	Areas of use	Pellet size (mm)	Moisture content, NMT (%)	Mass fraction of monomer (%)
ALPHAPOR, SE 91	XPS plates	Extrusion	XPS boards	>4,0	5	0.1

Brand	Segment	Processing Method	Areas of use	Pellet size (mm)	Basic fraction share (%)	Mass fraction of pentane (%)	Moisture content, NMT (%)
ALPHAPOR, SE Mix	Heat and sound insulation	Foaming	Self-extinguishing heat and sound insulation boards. Polystyrene concrete	0.45–4.0	90	5–7	1

Mass fraction of monomer (%)
0.1

Polystyrene

Brand	Segment	Processing Method	Areas of use	Melt flow rate range, g/10min. (at 220 °C, 5kg load)	Min Vicat softening temperature (°C)	Principal characteristics
PS MG283 A	Laboratory plastic	Thermal molding	Products used in healthcare and laboratory diagnostics (mirrors, expanders, laboratory utensils, containers, equipment parts)	9	92	High-flow grade of GPPS with high transparency

Brand	Segment	Processing Method	Areas of use	Melt flow rate range, g/10min. (at 220 °C, 5kg load)	Min Vicat softening temperature (°C)	Principal characteristics
ПС 30FEB	Rigid packaging; Food-grade containers, Water containers; Containers for seedlings	Thermal molding	For the production of sheets with the subsequent manufacture of food-grade packaging	2.2	102	A special grade of low-flow polystyrene with a high molecular weight and a reduced content of residual styrene

Brand	Segment	Processing Method	Areas of use	Melt flow rate range, g/10min. (at 220 °C, 5kg load)	Min Vicat softening temperature (°C)	Principal characteristics
ПС 35FE	Rigid packaging	Thermal molding	For extrusion of foamed products	2.5	98	A special grade of low-flow polystyrene with a high molecular weight and a reduced content of residual styrene

Brand	Segment	Processing Method	Areas of use	Melt flow rate range, g/10min. (at 220 °C, 5kg load)	Min Vicat softening temperature (°C)	Principal characteristics	Tear resistance (MPa), NLT
ПС 402	Heat and sound insulation	Extrusion	For the manufacture of foamed products by extrusion.	1.6 ±0.4	97	High-strength grade of GPPS without mineral oil additive with improved strength properties	47

Bending strength (MPa), NLT	Mass fraction of residual styrene (%), NMT
92	0.05

Brand	Segment	Processing Method	Areas of use	Melt flow rate range, g/10min. (at 220 °C, 5kg load)	Min Vicat softening temperature (°C)	Tear resistance (MPa), NLT	Bending strength (MPa), NLT
ПС 403	Heat insulation layers, light earth fills; Containers for seedlings	Extrusion	For the manufacture of foamed products by extrusion. Thermal insulation boards, XPS blocks for light earth fill arrangement.	3.0 ±1.0	100	45	90

Mass fraction of residual styrene (%), NMT
0.05

Brand	Segment	Processing Method	Areas of use	Melt flow rate range, g/10min. (at 220 °C, 5kg load)	Min Vicat softening temperature (°C)	Tear resistance (MPa), NLT	Bending strength (MPa), NLT	Mass fraction of residual styrene (%), NMT
ПС 407	Heat and sound insulation	Extrusion	For the manufacture of foamed products by extrusion.	7.0 ±2.0	100	45	88	0.05

Brand	Segment	Processing Method	Areas of use	Melt flow rate range, g/10min. (at 220 °C, 5kg load)	Min Vicat softening temperature (°C)	Tear resistance (MPa), NLT	Bending strength (MPa), NLT	Mass fraction of residual styrene (%), NMT
ПС 421	Heat and sound insulation	Extrusion	For the manufacture of foamed products by extrusion.	21.0 ±4.0	90	37	58	0.05

Brand	Segment	Processing Method	Areas of use	Melt flow rate range, g/10min. (at 220 °C, 5kg load)	Min Vicat softening temperature (°C)	Principal characteristics	Tear resistance (MPa), NLT	Bending strength (MPa), NLT	Mass fraction of residual styrene (%), NMT
ПС 430	Heat and sound insulation	Extrusion	For the manufacture of foamed extruded polystyrene sheet or decorative foamed interior products.	30.0 ±5.0	88	High-flow grade of GPPS without mineral oil	35	55	0.05

Brand	Segment	Processing Method	Areas of use	Melt flow rate range, g/10min. (at 220 °C, 5kg load)	Min Vicat softening temperature (°C)	Principal characteristics
ПС 525М	Rigid packaging; Home care, cosmetics and personal care products	Thermal molding	For the manufacture of disposable tableware	9	92	High-flow grade of polystyrene

Brand	Segment	Processing Method	Areas of use	Melt flow rate range, g/10min. (at 220 °C, 5kg load)	Min Vicat softening temperature (°C)	Principal characteristics	Tear resistance (MPa), NLT	Bending strength (MPa), NLT	Mass fraction of residual styrene (%), NMT
ПС 530В	Heat and sound insulation	Extrusion	For the manufacture of foamed products by extrusion and for the production of XPS with enhanced resistance to damage.	7.0 ±2.0	96	Medium-flowing PS	37	80	0.05

Brand	Segment	Processing Method	Areas of use	Melt flow rate range, g/10min. (at 220 °C, 5kg load)	Min Vicat softening temperature (°C)	Principal characteristics
ПС 535	Rigid packaging	Thermal molding	For extrusion of foamed products	3.5	94	Heat-resistant polystyrene

Brand	Segment	Processing Method	Areas of use	Melt flow rate range, g/10min. (at 220 °C, 5kg load)	Min Vicat softening temperature (°C)	Principal characteristics	Tear resistance (MPa), NLT	Bending strength (MPa), NLT	Mass fraction of residual styrene (%), NMT
ПС 535	Automotive components	Thermal molding	For the manufacture of products by injection molding, extrusion and blow molding. Designed for the manufacture of light diffusers, office supplies, packaging for electronics	3.9 ±0.6	97	Heat-resistant polystyrene	38	90	0.05

Brand	Segment	Processing Method	Areas of use	Melt flow rate range, g/10min. (at 220 °C, 5kg load)	Min Vicat softening temperature (°C)	Principal characteristics	Tear resistance (MPa), NLT
ПС 537	Heat insulation layers, light earth fills	Extrusion	For the manufacture of foamed products by extrusion and for the production of foamed polystyrene sheets.	7.5 ±1.5	100	Medium-flowing PS	42

Bending strength (MPa), NLT	Mass fraction of residual styrene (%), NMT
84	0.05

Brand	Segment	Processing Method	Areas of use	Melt flow rate range, g/10min. (at 220 °C, 5kg load)	Min Vicat softening temperature (°C)	Tear resistance (MPa), NLT	Bending strength (MPa), NLT
ПС 583V	Heat and sound insulation	Extrusion	For the manufacture of foamed products by extrusion.	2.5 ±2.0	100	38	90

Mass fraction of residual styrene (%), NMT
0.05

Brand	Segment	Processing Method	Areas of use	Melt flow rate range, g/10min. (at 220 °C, 5kg load)	Min Vicat softening temperature (°C)	Principal characteristics	Tear resistance (MPa), NLT	Bending strength (MPa), NLT	Mass fraction of residual styrene (%), NMT
ПС 585	Heat insulation layers, light earth fills	Extrusion	For the manufacture of foamed products by extrusion and for the production of polystyrene sheets with an oriented structure	2.5 ±1.0	98	High-strength grade of low-flow GPPS with high molecular weight and improved strength properties	38	95	0.05

Brand	Segment	Processing Method	Areas of use	Melt flow rate range, g/10min. (at 220 °C, 5kg load)	Min Vicat softening temperature (°C)	Principal characteristics
ПС 585	Rigid packaging; Containers for seedlings	Thermal molding	Designed for the extrusion of foamed products, such as egg containers, dispensers for hot and cold food, and for the production of polystyrene sheets with an oriented structure	2.8	100	Low-flow heat-resistant polystyrene with high molecular weight

Brand	Segment	Processing Method	Areas of use	Melt flow rate range, g/10min. (at 220 °C, 5kg load)	Min Vicat softening temperature (°C)	Principal characteristics	Tear resistance (MPa), NLT
ПС 585V	Heat and sound insulation	Extrusion	For the manufacture of foamed products by extrusion and for the production of polystyrene sheets.	2.5 ±1.0	95	Low-flow heat resistant PS with high molecular weight	25

Bending strength (MPa), NLT	Mass fraction of residual styrene (%), NMT
70	0.05

Brand	Segment	Processing Method	Areas of use	Melt flow rate range, g/10min. (at 220 °C, 5kg load)	Min Vicat softening temperature (°C)	Principal characteristics	Tear resistance (MPa), NLT
ПС 591	Heat and sound insulation	Extrusion	For the manufacture of foamed products by extrusion.	1.8 ±0.2	102	High-strength grade of low-flow GPPS with high molecular weight and improved strength properties	50

Bending strength (MPa), NLT	Mass fraction of residual styrene (%), NMT
95	0.05

Brand	Segment	Processing Method	Areas of use	Melt flow rate range, g/10min. (at 220 °C, 5kg load)	Min Vicat softening temperature (°C)	Principal characteristics
ПС 95FM	Rigid packaging; Food-grade containers, Water containers	Thermal molding	For the production of sheets with the subsequent manufacture of food-grade packaging	9	92	A special grade of polystyrene with a high molecular weight and a reduced content of residual styrene

Polycarbonate

Brand	Segment	Processing Method	Areas of use	Min flexural modulus (MPa)	MFI, g/10 min*	Principal characteristics
PC MG254 A	Laboratory plastic	Injection molding	Packaging products, parts of equipment, diagnostic and laboratory equipment, tableware	2450	10	High rigidity, excellent toughness, good transparency

Brand	Segment	Processing Method	Areas of use	MFI, g/10 min*	Principal characteristics	Modulus of elasticity in bending, not less than, MPa	Min Izod impact strength, J/m
PC MG554 A	Laboratory plastic; Medical containers	Injection molding	Packaging products, parts of equipment, diagnostic and laboratory equipment, tableware	22	High rigidity, high impact strength, good fluidity and transparency	2300	70

Brand	Segment	Processing Method	Areas of use	Principal characteristics	MFI (g/10 min)	Vicat softening temperature (°C), NLT
PC MG554 A	Medical containers; Laboratory plastic	Injection molding	Laboratory utensils	High-flow PC brand with high transparency	22	146

Brand	Segment	Processing Method	Areas of use	Principal characteristics	Modulus of elasticity in bending, not less than, MPa	MFI (g/10 min)	Izod impact strength (kJ/m2), NLT
PC MG605 A	Medical containers; Laboratory plastic	Compounding	Packaging products, parts of equipment, diagnostic and laboratory equipment, tableware	High rigidity, good toughness, excellent fluidity and transparency	2300	30	68

Brand	Segment	Processing Method	Areas of use	MFI, g/10 min*	Vicat softening temperature (°C), NLT	Izod impact strength (kJ/m2), NLT	Turbidity (%), NMT
PC-008	Barrier structures; Polycarbonate greenhouses	Extrusion	Sheets of cellular polycarbonate for greenhouses, sheets of monolithic polycarbonate for roofing, facades, noise screens, protective glazing and fencing, lighting and products in contact with food and drinking water	8	150	75	0.8

Transmission factor (%), NLT	Tensile stress at yield (MPa), NLT	Bending stress at max sample load (MPa), NLT	Flexural modulus (MPa), NLT	Compressive stress at yield strength (MPa), NLT	Yellowness and blueness index	for PC–L
89	60	90	2250	76	1.6–2.2	1.3–1.6

for PC–L1	Transparency and brightness index, NLT
0.8–1.3	90

Brand	Segment	Processing Method	Areas of use	MFI, g/10 min*	Vicat softening temperature (°C), NLT	Izod impact strength (kJ/m2), NLT	Turbidity (%), NMT
PC-008	Noise protection screens; Roofing and waterproofing	Extrusion	Sheets of cellular polycarbonate for greenhouses, sheets of monolithic polycarbonate for roofing, facades, noise screens, protective glazing and fencing, lighting and products in contact with food and drinking water	8	147	66	0.8

Transmission factor (%), NLT	Tensile stress at yield (MPa), NLT	Bending stress at max sample load (MPa), NLT	Compressive stress at yield strength (MPa), NLT	Yellowness and blueness index	for PC–L	for PC–L1
89	58	80	70	1.6–2.2	1.3–1.6	0.8–1.3

Transparency and brightness index, NLT	The amount of visible impurities (inclusions), pcs./ 100 g, NMT	Breaking elongation (%), NLT	Melt flow index spread within the batch (%), NMT
90	10	100	20

Brand	Segment	Processing Method	Areas of use	MFI, g/10 min*	Vicat softening temperature (°C), NLT	Izod impact strength (kJ/m2), NLT	Turbidity (%), NMT
PC-008	Barrier structures	Extrusion	Sheets of cellular polycarbonate for greenhouses, sheets of monolithic polycarbonate for roofs, facades, noise screens, protective glazing and fences (including bus shelters)	6,5	150	75	0.8

Transmission factor (%), NLT	Tensile stress at yield (MPa), NLT	Bending stress at max sample load (MPa), NLT	Flexural modulus (MPa), NLT	Yellowness and blueness index	for PC–L	for PC–L1
89	60	90	2250	1.6–2.2	1.3–1.6	0.8–1.3

Transparency and brightness index, NLT
90

Brand	Segment	Processing Method	Areas of use	MFI, g/10 min*	Vicat softening temperature (°C), NLT	Izod impact strength (kJ/m2), NLT	Turbidity (%), NMT
PC-008	Noise protection screens; Roofing and waterproofing	Injection molding	Sheets of cellular polycarbonate for greenhouses, sheets of monolithic polycarbonate for roofing, facades, noise screens, protective glazing and fencing, lighting and products in contact with food and drinking water	8 ±1.0	147	66	0.8

Transmission factor (%), NLT	Tensile stress at yield (MPa), NLT	Bending stress at max sample load (MPa), NLT	Flexural modulus (MPa), NLT	Compressive stress at yield strength (MPa), NLT	Yellowness and blueness index	for PC–L
89	58	80	2250	70	1.6–2.2	1.3–1.6

for PC–L1	Transparency and brightness index, NLT	The amount of visible impurities (inclusions), pcs./ 100 g, NMT	Breaking elongation (%), NLT	Melt flow index spread within the batch (%), NMT	Grade
0.8–1.3	90	10	100	20	First

Brand	Segment	Processing Method	Areas of use	MFI, g/10 min*	Vicat softening temperature (°C), NLT	Izod impact strength (kJ/m2), NLT	Turbidity (%), NMT
PC-010	Automotive components	Injection molding	For the production of technical articles by injection molding, including components in injection molding compounds	10	152	77	0,4

Transmission factor (%), NLT	Tensile stress at yield (MPa), NLT	Bending stress at max sample load (MPa), NLT	Compressive stress at yield strength (MPa), NLT	Yellowness and blueness index	for PC–L	for PC–L1
90	60	90	61	1.6–2.2	1.3–1.6	0.8–1.3

Transparency and brightness index, NLT	The amount of visible impurities (inclusions), pcs./ 100 g, NMT
90	5

Brand	Segment	Processing Method	Areas of use	MFI, g/10 min*	Vicat softening temperature (°C), NLT	Izod impact strength (kJ/m2), NLT	Turbidity (%), NMT
PC-015	Automotive components	Extrusion	Automotive lighting equipment, also for production by injection molding of technical products, also the component	15 ±1.5	147	66	0.8

Transmission factor (%), NLT	Tensile stress at yield (MPa), NLT	Yellowness and blueness index	for PC–L	for PC–L1	Transparency and brightness index, NLT	The amount of visible impurities (inclusions), pcs./ 100 g, NMT
89	60	1.6–2.2	1.3–1.6	0.8–1.3	90	5

Breaking elongation (%), NLT	Melt flow index spread within the batch (%), NMT	Grade
115	All point samples shall correspond to parameter 1	Premium

Brand	Segment	Processing Method	Areas of use	MFI, g/10 min*	Vicat softening temperature (°C), NLT	Izod impact strength (kJ/m2), NLT	Turbidity (%), NMT
PC-015	Automotive components	Extrusion	Automotive lighting equipment, also for production by injection molding of technical products, also the component	15 ±1.5	147	66	0.8

Transmission factor (%), NLT	Tensile stress at yield (MPa), NLT	Yellowness and blueness index	for PC–L	for PC–L1	Transparency and brightness index, NLT	The amount of visible impurities (inclusions), pcs./ 100 g, NMT
89	58	1.6–2.2	1.3–1.6	0.8–1.3	90	10

Breaking elongation (%), NLT	Melt flow index spread within the batch (%), NMT	Grade
100	12	First

Brand	Segment	Processing Method	Areas of use	MFI, g/10 min*	Vicat softening temperature (°C), NLT	Izod impact strength (kJ/m2), NLT	Turbidity (%), NMT
PC-015	Automotive components	Extrusion	Automotive lighting equipment, also for production by injection molding of technical products, also the component	15 ±1.5	147	66	1

Transmission factor (%), NLT	Tensile stress at yield (MPa), NLT	Yellowness and blueness index	for PC–L	for PC–L1	Transparency and brightness index, NLT	The amount of visible impurities (inclusions), pcs./ 100 g, NMT
85	55	Not standardized	Not standardized	Not standardized	Not standardized	Not standardized

Breaking elongation (%), NLT	Melt flow index spread within the batch (%), NMT	Grade
80	20	Second

Brand	Segment	Processing Method	Areas of use	MFI, g/10 min*	Vicat softening temperature (°C), NLT	Izod impact strength (kJ/m2), NLT	Turbidity (%), NMT
PC-022	Automotive components	Extrusion	Automotive lighting equipment, also for production by injection molding of technical products, also the component in injection molding compounds (rarely in extrusion)	22	147	65	0,8

Transmission factor (%), NLT	Tensile stress at yield (MPa), NLT	Yellowness and blueness index	for PC–L	for PC–L1	Transparency and brightness index, NLT
90	60	1,6–2,2	1,3-1,6	0,8–1,3	90

Brand	Segment	Processing Method	Areas of use	MFI, g/10 min*	Izod impact strength (kJ/m2), NLT	Turbidity (%), NMT	Transmission factor (%), NLT
PC-022	Automotive components	Injection molding	Products for packaging, parts of equipment, diagnostic and laboratory equipment, utensils	22	70	1	90

Yellowness and blueness index	for PC–L	for PC–L1	Transparency and brightness index, NLT
1,6–2,2	1,3–1,6	0,8–1,3	90

ABS plastic

Brand	Segment	Processing Method	Areas of use	Melt flow rate range, g/10min. (at 220 °C, 5kg load)	Min Vicat softening temperature (°C)	Tear resistance (MPa), NLT	Izod impact strength, notched (J/m), NLT
0445E	Household appliances, electronics, toys, tool making; Automotive components	Extrusion	For the production of sheets with high surface quality (co-extruded or not and with high extrusion multiplicity) for various applications such as refrigeration, plumbing, automotive, packaging and furniture industry (profiles)	4.0 ±1.5	100	45	15

Bending strength (MPa), NLT	Mass fraction of residual styrene (%), NMT	Gloss at 60˚ angle, NLT	Principal characteristics
68	0.05	60	Good rigidity and strength balance

Brand	Segment	Processing Method	Areas of use	Melt flow rate range, g/10min. (at 220 °C, 5kg load)	Min Vicat softening temperature (°C)	Izod impact strength, notched (J/m), NLT	Mass fraction of residual styrene (%), NMT
0475E	Household appliances, electronics, toys, tool making; Automotive components	Extrusion	Used for thick-sheet extrusion (co-extruded or not) for plumbing and transport products. The grade is produced only in natural color, with no additives or colors	4.5 ±1.5	100	20	0.05

Gloss at 60˚ angle, NLT	Principal characteristics
60	Very high-impact grade for sheet extrusion with high processability and improved heat resistance

Brand	Segment	Processing Method	Areas of use	Melt flow rate range, g/10min. (at 220 °C, 5kg load)	Min Vicat softening temperature (°C)	Tear resistance (MPa), NLT	Izod impact strength, notched (J/m), NLT
0554E	Household appliances, electronics, toys, tool making; Automotive components	Extrusion	For the production of large sheet with high surface quality (co-extruded or not and with high extrusion multiplicity) for various applications, such as the refrigeration industry, plumbing, automotive, packaging and furniture industry (profiles)	5.0 ±1.5	100	35	16.5

Bending strength (MPa), NLT	Mass fraction of residual styrene (%), NMT	Gloss at 60˚ angle, NLT	Principal characteristics
68	0.05	60	High strength and rigidity, as well as high heat resistance

Brand	Segment	Processing Method	Areas of use	Melt flow rate range, g/10min. (at 220 °C, 5kg load)	Min Vicat softening temperature (°C)	Tear resistance (MPa), NLT	Izod impact strength, notched (J/m), NLT
1035	Household appliances, electronics, toys, tool making; Manufacture of sanitary ware and panels; Automotive components	Thermal molding	Used in the automotive industry for interior decoration components.	10.0 ±1.5	98	40	10

Bending strength (MPa), NLT	Mass fraction of residual styrene (%), NMT	Gloss at 60˚ angle, NLT	Principal characteristics
62	0.05	50	Average heat resistance, high fluidity and impact resistance, improved heat resistance during processing

Brand	Segment	Processing Method	Areas of use	Melt flow rate range, g/10min. (at 220 °C, 5kg load)	Min Vicat softening temperature (°C)	Tear resistance (MPa), NLT	Izod impact strength, notched (J/m), NLT
1035	Household appliances, electronics, toys, tool making	Extrusion	Used in the automotive industry for interior decoration components.	10.0 ±1.5	98	40	10

Bending strength (MPa), NLT	Mass fraction of residual styrene (%), NMT	Gloss at 60˚ angle, NLT	Principal characteristics
62	0.05	50	Average heat resistance, high fluidity and impact resistance, improved heat resistance during processing

Brand	Segment	Processing Method	Areas of use	Melt flow rate range, g/10min. (at 220 °C, 5kg load)	Min Vicat softening temperature (°C)	Izod impact strength, notched (J/m), NLT	Mass fraction of residual styrene (%), NMT
2332	Household appliances, electronics, toys, tool making; Manufacture of sanitary ware and panels; Automotive components	Thermal molding	Used in the production of small and large household appliances, vacuum cleaners, toys, phones and consumer electronics.	23 ±3.0	90	11	0.05

Gloss at 60° angle, NLT	Principal characteristics
60	Injection molding general-purpose grade with high fluidity, combines high impact strength with excellent gloss

Brand	Segment	Processing Method	Areas of use	Melt flow rate range, g/10min. (at 220 °C, 5kg load)	Min Vicat softening temperature (°C)	Tear resistance (MPa), NLT	Izod impact strength, notched (J/m), NLT
646	Automotive components	Thermal molding	Used in the automotive industry for the production of interior components (extruded profile, interior trim details, etc.) and with the appropriate coating to obtain exterior trim components (grilles, mirrors, etc.)	6.0 ±1.5	104	43	12

Bending strength (MPa), NLT	Mass fraction of residual styrene (%), NMT	Gloss at 60˚ angle, NLT	Principal characteristics
65	0.05	60	High fluidity and impact resistance, as well as improved heat resistance during processing

HIPS

Brand	Segment	Processing Method	Areas of use	Melt flow rate range, g/10min. (at 220 °C, 5kg load)	Min Vicat softening temperature (°C)	Izod impact strength, notched (J/m), NLT	Principal characteristics
ПС 45FE	Rigid packaging; Food-grade containers, Water containers	Thermal molding	For the manufacture of food-grade packaging and disposable tableware	4	92	96	Impact-resistant polystyrene

Brand	Segment	Processing Method	Areas of use	Melt flow rate range, g/10min. (at 220 °C, 5kg load)	Min Vicat softening temperature (°C)	Izod impact strength, notched (J/m), NLT	Principal characteristics
ПС 825	Rigid packaging; Food-grade containers, Water containers	Thermal molding	For the manufacture of disposable tableware and foam products	7.5	84	96	A special grade of impact-resistant polystyrene with a reduced content of residual styrene

Brand	Segment	Processing Method	Areas of use	Melt flow rate range, g/10min. (at 220 °C, 5kg load)	Min Vicat softening temperature (°C)	Izod impact strength, notched (J/m), NLT	Principal characteristics
ПС 825ES	Rigid packaging; Food-grade containers, Water containers; Food products	Thermal molding	Foamed packaging: tray pads, lunch boxes, egg trays, disposable tableware	4	92	96	Impact-resistant polystyrene

Brand	Segment	Processing Method	Areas of use	Melt flow rate range, g/10min. (at 220 °C, 5kg load)	Min Vicat softening temperature (°C)	Izod impact strength, notched (J/m), NLT	Principal characteristics
ПС 85FM	Rigid packaging; Food products	Thermal molding	For the manufacture of disposable tableware, sheets for yoghurts and dairy desserts	7.5	84	96	A special grade of impact-resistant polystyrene with a reduced content of residual styrene and high gloss

Brand	Segment	Processing Method	Areas of use	Melt flow rate range, g/10min. (at 220 °C, 5kg load)	Min Vicat softening temperature (°C)	Izod impact strength, notched (J/m), NLT	Principal characteristics
ПС 945E	Rigid packaging; Food-grade containers, Water containers	Thermal molding	For the manufacture of disposable tableware	4	92	120	High-impact polystyrene

Butadiene-nitrile latex

Brand	Segment	Mass fraction of dry matter, %	Hydrogen index pH	Surface tension, millinewton-meter
БНЛ 232	Synthetic rubbers	44,0 – 47,1	8,0 – 9,1	37

Butyl rubber (IIR)

Brand	Segment	Areas of use	Mooney viscosity UML 1+8 (125 °C) (no milling)	Unsaturation (%) mol	Mass fraction of the antiagglomerator (%), NMT	Mass fraction of iron (%), NMT	Mass fraction of volatile substances (%), NMT	Mass fraction of antioxidant (%), NLT	Mass fraction of ash (%), NMT
IIR-1675F	Food industry; Food-grade containers, Water containers	For the manufacture of binder rubber base used in production of chewing gum and oral care products.	47 - 67	1.4 - 1.8	1.0	0.003	1.0	0.05	0.3

Brand	Segment	Areas of use	Mooney viscosity UML 1+8 (125 °C) (no milling)	Unsaturation (%) mol	Mass fraction of volatile substances (%), NMT	Mass fraction of antioxidant (%), NLT	Mass fraction of ash (%), NMT	Mass fraction of calcium stearate (%), NMT
IIR-1675N	Rubber products; Tires and MRG; Medical rubber products; Food industry	Production of vehicle tire inner tube, inner lining of chemical equipment, sleeves (sleeve products), cable insulation, curing bladders, rubber sheet, vibration-insulating material	46 - 56	1.4 - 1.8	0.3	0.02–0.08	0.3	1.2

Brand	Segment	Areas of use	Mooney viscosity UML 1+8 (125 °C) (no milling)	Unsaturation (%) mol	Mass fraction of volatile substances (%), NMT	Mass fraction of antioxidant (%), NLT	Mass fraction of ash (%), NMT	Mass fraction of calcium stearate (%), NMT
IIR-1675M	Rubber products; Tires and MRG; Medical rubber products; Food industry; Syringes	Production of vehicle tire inner tube, inner lining of chemical equipment, sleeves (sleeve products), cable insulation, curing bladders, rubber sheet, vibration-insulating material	35 - 47	1.4 - 1.8	0.4	0.02–0.08	0.35	1.2

Brand	Segment	Areas of use	Mooney viscosity UML 1+8 (125 °C) (no milling)	Unsaturation (%) mol	Mass fraction of volatile substances (%), NMT	Mass fraction of antioxidant (%), NLT	Mass fraction of ash (%), NMT	Mass fraction of calcium stearate (%), NMT
Impramer R 1675 (RSEPL, India)	Rubber products; Tires and MRG; Medical rubber products; Other solutions for medicine	Production of vehicle tire inner tube, inner lining of chemical equipment, sleeves (sleeve products), cable insulation, curing bladders, rubber sheet, vibration-insulating material	46 - 56	1.4 - 1.8	0.3	0.02–0.08	0.3	1.2

Halobutyl rubber

Brand	Segment	Areas of use	Mass fraction of volatile substances (%), NMT	Mass fraction of antioxidant (%), NLT	Mass fraction of ash (%), NMT	Mooney viscosity MB 1+8 (125 °C) (Mooney units), range	Mass fraction of halogen (%), range
Brombutyl rubber BIIR-232	Rubber products; Tires and MRG; Medical rubber products	For use in the tire and the rubber industry, for the manufacture of medical products	0.7	0.05	0.7	28–35	1.50–2.20

Minimum torque (ML) (dNm)	Maximum torque moment (ML) (dNm)	Time before vulcanization, tS1 (min)	Time to 50 % vulcanization, t (50) min	Time to 90 % vulcanization, t (90) min.
1.2–3.3	5.5–10.5	1.2–3.8	3.5–7.1	5.5–11.0

Brand	Segment	Areas of use	Mass fraction of volatile substances (%), NMT	Mass fraction of antioxidant (%), NLT	Mass fraction of ash (%), NMT	Mooney viscosity MB 1+8 (125 °C) (Mooney units), range	Mass fraction of halogen (%), range
Brombutyl rubber BIIR-246	Rubber products; Tires and MRG; Medical rubber products	For use in the tire and the rubber industry, for the manufacture of medical products	0.7	0.05	0.7	43–50	1.50–2.20

Minimum torque (ML) (dNm)	Maximum torque moment (ML) (dNm)	Time before vulcanization, tS1 (min)	Time to 50 % vulcanization, t (50) min	Time to 90 % vulcanization, t (90) min.
1.2–3.3	5.5–10.5	1.2–3.8	3.5–7.1	5.5–11.0

Brand	Segment	Areas of use	Mass fraction of volatile substances (%), NMT	Mass fraction of antioxidant (%), NLT	Mass fraction of ash (%), NMT	Mooney viscosity MB 1+8 (125 °C) (Mooney units), range	Mass fraction of halogen (%), range
Chlorobutyl rubber CIIR-139	Rubber products; Tires and MRG; Medical rubber products	For use in the tire and the rubber industry, for the manufacture of medical products	0.7	0.05	0.5	33–44	1.10–1.40

Minimum torque (ML) (dNm)	Maximum torque moment (ML) (dNm)	Time before vulcanization, tS1 (min)	Time to 50 % vulcanization, t (50) min	Time to 90 % vulcanization, t (90) min.
2.0–3.5	6.5–10.0	0.8–2.2	2.5–5.0	6.5–11.0

Brand	Segment	Areas of use	Mass fraction of volatile substances (%), NMT	Mass fraction of antioxidant (%), NLT	Mass fraction of ash (%), NMT	Mooney viscosity MB 1+8 (125 °C) (Mooney units), range	Mass fraction of halogen (%), range
Brombutyl rubber Impramer B 2232 (RSEPL, India)	Rubber products; Tires and MRG; Medical rubber products	For use in the tire and the rubber industry, for the manufacture of medical products	0.7	0.05	0.7	28–36	1.6–2.0

Mass fraction of calcium (%), range
0.10–0.16

Brand	Segment	Areas of use	Mass fraction of volatile substances (%), NMT	Mass fraction of antioxidant (%), NLT	Mass fraction of ash (%), NMT	Mooney viscosity MB 1+8 (125 °C) (Mooney units), range	Mass fraction of halogen (%), range	Mass fraction of calcium (%), range
Brombutyl rubber Impramer B 2247 (RSEPL, India)	Rubber products; Tires and MRG; Medical rubber products	For use in the tire and the rubber industry, for the manufacture of medical products	0.7	0.05	0.7	41–51	1.6–2.0	0.10–0.16

Brand	Segment	Areas of use	Mass fraction of volatile substances (%), NMT	Mass fraction of antioxidant (%), NLT	Mass fraction of ash (%), NMT	Mooney viscosity MB 1+8 (125 °C) (Mooney units), range	Mass fraction of halogen (%), range	Mass fraction of calcium (%), range
Chlorobutyl rubber Impramer C 1139 (RSEPL, India)	Rubber products; Tires and MRG; Medical rubber products	For use in the tire and the rubber industry, for the manufacture of medical products	0.5	0.05	0.5	34–44	1.15–1.35	0.05–0.11

Isoprene rubber (IR)

Brand	Segment	Areas of use	Mass fraction of ash (%), NMT	Mooney viscosity, MB 1+4 (100 °C) (Mooney units), range	Mooney viscosity spread within the batch (Mooney units), NMT	Loss on drying (%), NMT	Mass fraction of antioxidant of non-coloring type (%), NLT	Mass fraction of stearic acid (%), range	Mass fraction of metals (%), NMT: iron, titanium
IR-970	Rubber products; Tires and MRG	Intended for use in rubber, tire and other industries.	0.5	65-74	8	0.6	0.20–0.40	0.6–1.4	0.004, 0.06

Brand	Segment	Areas of use	Mass fraction of ash (%), NMT	Mooney viscosity, MB 1+4 (100 °C) (Mooney units), range	Mooney viscosity spread within the batch (Mooney units), NMT	Loss on drying (%), NMT	Mass fraction of antioxidant of non-coloring type (%), NLT	Mass fraction of stearic acid (%), range
IR-980NS	Rubber products; Tires and MRG	For use in the manufacture of tires and MRG, as well as in areas with increased requirements for the appearance characteristics and chemical purity of products, including in medical rubber products, painted and unpainted footwear sole materials, rubber tape and labels, rubber strip, seals, protective coatings, other extruded and molded mechanical products.	0.35	70-90	8	0.6	0.200–1.20	0.6–1.4

Lithium butadiene rubber

Brand	Segment	Areas of use	Mass fraction of ash (%), NMT	Mooney viscosity UML (1+4), 100 °C (Mooney units)	Mooney viscosity spread within the batch (Mooney units), NMT	Loss on drying (%), NMT	Mass fraction of dry gel (5.43% by weight solution of rubber in toluene) (%), NMT
BR-4085	Plastics modification	Intended for use in the synthesis of high-impact polystyrene.	0.1	35-55	6	0.6	0.02

Viscosity (5.43 % by weight of the rubber solution in toluene)(MPa s), range	Pt/Co colority (5.43 % by weight of the rubber solution in toluene) (Hazen), NMT	Mass fraction of 1,2-links (%), range	Mass fraction of 1,4-cis links (%), range	Mass fraction of antioxidant of non-coloring type (%), NLT
30-100	10	10.0–15.0	34.0–40.0	0.1

Brand	Segment	Areas of use	Mass fraction of ash (%), NMT	Mooney viscosity spread within the batch (Mooney units), NMT	Loss on drying (%), NMT	Mass fraction of dry gel (5.43% by weight solution of rubber in toluene) (%), NMT	Viscosity (5.43 % by weight of the rubber solution in toluene) (MPa s), range
BR-4170	Plastics modification	Intended for use in the synthesis of high-impact polystyrene.	0.1	6	0.6	0.02	151-200

Pt/Co colority (5.43 % by weight of the rubber solution in toluene) (Hazen), NMT	Mass fraction of 1,2-links (%), range	Mass fraction of 1,4-cis links (%), range	Mass fraction of antioxidant of non-coloring type (%), NLT	Mooney viscosity, MB 1+4 (100 °C) (Mooney units), range
10	10.0–15.0	34.0–40.0	0.1	45-65

Brand	Segment	Areas of use	Mass fraction of ash (%), NMT	Mooney viscosity spread within the batch (Mooney units), NMT	Loss on drying (%), NMT	Mass fraction of dry gel (5.43% by weight solution of rubber in toluene) (%), NMT	Viscosity (5.43 % by weight of the rubber solution in toluene) (MPa s), range
BR-4250	Plastics modification	Intended for use in the synthesis of high-impact polystyrene.	0.1	6	0.6	0.02	201-280

Pt/Co colority (5.43 % by weight of the rubber solution in toluene) (Hazen), NMT	Mass fraction of 1,2-links (%), range	Mass fraction of 1,4-cis links (%), range	Mass fraction of antioxidant of non-coloring type (%), NLT	Mooney viscosity, MB 1+4 (100 °C) (Mooney units), range
10	10.0–15.0	34.0–40.0	0.1	65-75

Brand	Segment	Areas of use	Mooney viscosity UML (1+4), 100 °C (Mooney units)	1,2-links content
BR-710	Tires and MRG; Mechanical rubber goods	Tires and mechanical rubber goods.	50–80	9–19

Brand	Segment	Areas of use	Mooney viscosity UML (1+4), 100 °C (Mooney units)	1,2-links content
BR-777	Tires and MRG; Mechanical rubber goods	Tires and mechanical rubber goods.	55–85	74–80

NBR (Nitrile Butadiene rubber)

Brand	Segment	Areas of use	Mooney viscosity MML (1+4), 100 °C (Mooney)	Associated NAA content (%)
NBR 1845	Rubber products; Mechanical rubber goods	Operating temperature range: -30 °C to +120 °C. Application: cables, reinforced hoses, hoses, gaskets, seals, packers, coatings	42–48	17–20

Brand	Segment	Areas of use	Mooney viscosity MML (1+4), 100 °C (Mooney)	Associated NAA content (%)
NBR 1855	Rubber products; Mechanical rubber goods	Operating temperature range: -30 °C to +120 °C. Application: cables, reinforced hoses, hoses, gaskets, seals, packers, coatings	52–58	17–20

Brand	Segment	Areas of use	Mooney viscosity MML (1+4), 100 °C (Mooney)	Associated NAA content (%)
NBR 1865	Rubber products; Mechanical rubber goods	Operating temperature range: -30 °C to +120 °C. Application: cables, reinforced hoses, hoses, gaskets, seals, packers, coatings	62–68	17–20

Brand	Segment	Areas of use	Mooney viscosity MML (1+4), 100 °C (Mooney)	Associated NAA content (%)
NBR 2645	Rubber products; Mechanical rubber goods	Operating temperature range: -30 °C to +120 °C. Application: fuel and oil hoses, gaskets, oil seals	42–48	27–30

Brand	Segment	Areas of use	Mooney viscosity MML (1+4), 100 °C (Mooney)	Associated NAA content (%)
NBR 2655	Rubber products; Mechanical rubber goods	Operating temperature range: -30 °C to +120 °C. Application: fuel and oil hoses, gaskets, oil seals	52–58	27–30

Brand	Segment	Areas of use	Mooney viscosity MML (1+4), 100 °C (Mooney)	Associated NAA content (%)
NBR 2665	Rubber products; Mechanical rubber goods	Operating temperature range: -30 °C to +120 °C. Application: fuel and oil hoses, gaskets, oil seals	62–68	27–30

Brand	Segment	Areas of use	Mooney viscosity MML (1+4), 100 °C (Mooney)	Associated NAA content (%)
NBR 2675	Rubber products; Mechanical rubber goods	Operating temperature range: -30 °C to +120 °C. Application: fuel and oil hoses, gaskets, oil seals	72–78	27–30

Brand	Segment	Areas of use	Mooney viscosity MML (1+4), 100 °C (Mooney)	Associated NAA content (%)
NBR 3335	Rubber products; Mechanical rubber goods	Operating temperature range: -20 °C to +120 °C. Application: cables, hoses, conveyor and drive, belts, gaskets, oil seals, packers, chemically blown sponge, industrial and automotive molded parts, adhesives	32–38	31–35

Brand	Segment	Areas of use	Mooney viscosity MML (1+4), 100 °C (Mooney)	Associated NAA content (%)
NBR 3345	Rubber products; Mechanical rubber goods	Operating temperature range: -20 °C to +120 °C. Application: cables, hoses, conveyor and drive, belts, gaskets, oil seals, packers, chemically blown sponge, industrial and automotive molded parts, adhesives	42–48	31–35

Brand	Segment	Areas of use	Mooney viscosity MML (1+4), 100 °C (Mooney)	Associated NAA content (%)
NBR 3350	Mechanical rubber goods; Automotive components; Rubber industry; Rubber products	Operating temperature range: -20 °C to +120 °C. Application: cables, hoses, conveyor and drive, belts, gaskets, oil seals, packers, chemically blown sponge, industrial and automotive molded parts, adhesives	47–53	31–35

Brand	Segment	Areas of use	Mooney viscosity MML (1+4), 100 °C (Mooney)	Associated NAA content (%)
NBR 3355	Rubber products; Mechanical rubber goods; Automotive components	Operating temperature range: -20 °C to +120 °C. Application: cables, hoses, conveyor and drive, belts, gaskets, oil seals, packers, chemically blown sponge, industrial and automotive molded parts, adhesives	52–58	31–35

Brand	Segment	Areas of use	Mooney viscosity MML (1+4), 100 °C (Mooney)	Associated NAA content (%)
NBR 3365	Rubber products; Mechanical rubber goods; Automotive components	Operating temperature range: -20 °C to +120 °C. Application: cables, hoses, conveyor and drive, belts, gaskets, oil seals, packers, chemically blown sponge, industrial and automotive molded parts, adhesives	62–68	31–35

Brand	Segment	Areas of use	Mooney viscosity MML (1+4), 100 °C (Mooney)	Associated NAA content (%)
NBR 3375	Rubber products; Mechanical rubber goods; Automotive components	Operating temperature range: -20 °C to +120 °C. Application: cables, hoses, conveyor and drive, belts, gaskets, oil seals, packers, chemically blown sponge, industrial and automotive molded parts, adhesives	72–78	31–35

Brand	Segment	Areas of use	Mooney viscosity MML (1+4), 100 °C (Mooney)	Associated NAA content (%)
NBR 3385	Rubber products; Mechanical rubber goods; Automotive components	Operating temperature range: -20 °C to +120 °C. Application: cables, hoses, conveyor and drive, belts, gaskets, oil seals, packers, chemically blown sponge, industrial and automotive molded parts, adhesives	82–88	31–35

Brand	Segment	Areas of use	Mooney viscosity MML (1+4), 100 °C (Mooney)	Associated NAA content (%)
NBR 4045	Rubber products; Mechanical rubber goods; Automotive components	Operating temperature range: -10 °C to +120 °C Application: oil and fuel hoses, gaskets, seals, reinforced hose for pumping oil, gasoline	42–48	36–40

Brand	Segment	Areas of use	Mooney viscosity MML (1+4), 100 °C (Mooney)	Associated NAA content (%)
NBR 4055	Rubber products; Mechanical rubber goods; Automotive components	Operating temperature range: -10 °C to +120 °C Application: oil and fuel hoses, gaskets, seals, reinforced hose for pumping oil, gasoline	52–58	36–40

Brand	Segment	Areas of use	Mooney viscosity MML (1+4), 100 °C (Mooney)	Associated NAA content (%)
NBR 4065	Rubber products; Mechanical rubber goods; Automotive components	Operating temperature range: -10 °C to +120 °C Application: oil and fuel hoses, gaskets, seals, reinforced hose for pumping oil, gasoline	62–68	36–40

Neodymium butadiene rubber

Brand	Segment	Areas of use	Mooney viscosity UML (1+4), 100 °C (Mooney units)	Polydispersity	1,4-cis links content
BR-1243 Nd Grade B (LP)	Tires and MRG; Mechanical rubber goods; Medical rubber products	Tires and mechanical rubber goods.	39–49	NMT 2.85	NLT 97

Brand	Segment	Areas of use	Mooney viscosity UML (1+4), 100 °C (Mooney units)	Polydispersity	1,4-cis links content
BR-1243 Nd HV	Tires and MRG; Mechanical rubber goods; Medical rubber products	Tires and mechanical rubber goods.	58–68	NMT 2.6	NLT 97

Brand	Segment	Areas of use	Mooney viscosity UML (1+4), 100 °C (Mooney units)	Mass fraction of volatile substances (%), NMT	Mass fraction of antioxidant (%), NLT	Mass fraction of ash (%), NMT
BR-1246	Tires and MRG; Mechanical rubber goods	Tires and mechanical rubber goods.	44 ±5	≤0.8	0.2–0.4	≤0.5

Brand	Segment	Areas of use	Mooney viscosity UML (1+4), 100 °C (Mooney units)	Polydispersity	1,4-cis links content
BR-544	Tires and MRG; Mechanical rubber goods	Tires and mechanical rubber goods.	40–49	3.0–4.0	NLT 96

Brand	Segment	Areas of use	Mooney viscosity UML (1+4), 100 °C (Mooney units)	Polydispersity	1,4-cis links content
BR-544NP	Tires and MRG; Mechanical rubber goods	Tires and mechanical rubber goods.	40–49	NMT 2.6	NLT 96

Brand	Segment	Areas of use	Mooney viscosity UML (1+4), 100 °C (Mooney units)	Polydispersity	1,4-cis links content
BR-555M	Tires and MRG; Mechanical rubber goods	Tires and mechanical rubber goods.	50–60	NMT 2.6	NLT 96

Styrene-butadiene emulsion rubber, non-oil extended grade

Brand	Segment	Areas of use	Mooney viscosity MML (1+4), 100 °C (Mooney)	Bound styrene content (%)
SBR-1500	Tires and MRG; Mechanical rubber goods; Medical rubber products	Tires and mechanical rubber goods.	46–56; 48–58	22.5–24.5

Brand	Segment	Areas of use	Mooney viscosity MML (1+4), 100 °C (Mooney)	Bound styrene content (%)
SBR-1502	Tires and MRG; Mechanical rubber goods; Medical rubber products	Tires and mechanical rubber goods.	46–56; 48–58	22.5–24.5

Styrene-butadiene emulsion rubber, oil extended grade

Brand	Segment	Areas of use	Mooney viscosity MML (1+4), 100 °C (Mooney)	Bound styrene content (%)	Type of filler oil	Filler oil content (%)
CKC-30 APKM-15/SBR-1705	Tires and MRG; Mechanical rubber goods; Medical rubber products	Tires and mechanical rubber goods.	46–54	22–25	Hi-AR, TDAE	14–17

Brand	Segment	Areas of use	Mooney viscosity MML (1+4), 100 °C (Mooney)	Bound styrene content (%)	Type of filler oil	Filler oil content (%)
CKC-30 APKM-27/SBR-1712	Tires and MRG; Mechanical rubber goods; Medical rubber products	Tires and mechanical rubber goods.	46–54	22.5–24.5	Hi-AR	25–30

Brand	Segment	Areas of use	Mooney viscosity MML (1+4), 100 °C (Mooney)	Bound styrene content (%)	Type of filler oil	Filler oil content (%)
CKC-30 APKM-27/SBR-1723	Tires and MRG; Mechanical rubber goods; Medical rubber products	Tires and mechanical rubber goods.	46–54	22.5–24.5	TDAE	25–30

Brand	Segment	Areas of use	Mooney viscosity MML (1+4), 100 °C (Mooney)	Bound styrene content (%)	Type of filler oil	Filler oil content (%)
CKC-30 APKM-27/SBR-1783	Tires and MRG; Mechanical rubber goods; Medical rubber products	Tires and mechanical rubber goods.	46–54	22.5–24.5	SRAE	26–30

Styrene-butadiene solution rubber (SSBR), non-oil extended grade

Brand	Segment	Areas of use	Mooney viscosity UML (1+4), 100 °C (Mooney units)	1,2-links content	Bound styrene content (%)	Glass transition temperature Tg (°C)
SSBR-615	Tires and MRG; Mechanical rubber goods	Tires and mechanical rubber goods	60–90	25–35	12–18	–59

Brand	Segment	Areas of use	Mooney viscosity UML (1+4), 100 °C (Mooney units)	1,2-links content	Bound styrene content (%)	Glass transition temperature Tg (°C)
SSBR-621	Tires and MRG; Mechanical rubber goods	Tires and mechanical rubber goods	55–85	57–67	18–24	–21

Brand	Segment	Areas of use	Mooney viscosity UML (1+4), 100 °C (Mooney units)	1,2-links content	Bound styrene content (%)	Glass transition temperature Tg (°C)
SSBR-628	Tires and MRG; Mechanical rubber goods	Tires and mechanical rubber goods	60–95	54–64	24–30	–20

Styrene-butadiene solution rubber (SSBR), oil extended grade

Brand	Segment	Mooney viscosity UML (1+4), 100 °C (Mooney units)	1,2-links content	Bound styrene content (%)	Type of filler oil	Filler oil content (%)	Glass transition temperature Tg (°C)
SSBR-2560 TDAE	Tires and MRG; Other goods; Mechanical rubber goods	46–54	61–67	24–26	TDAE	26–29	–26

Brand	Segment	Mooney viscosity UML (1+4), 100 °C (Mooney units)	1,2-links content	Bound styrene content (%)	Type of filler oil	Filler oil content (%)	Glass transition temperature Tg (°C)
SSBR-2560 TDAE HV	Tires and MRG; Mechanical rubber goods	59–67	56–70	23–27	TDAE	25–28	–26
	Areas of use						
	Tires and mechanical rubber goods						

Brand	Segment	Mooney viscosity UML (1+4), 100 °C (Mooney units)	1,2-links content	Bound styrene content (%)	Type of filler oil	Filler oil content (%)	Glass transition temperature Tg (°C)
SSBR-3755 TDAE	Tires and MRG; Mechanical rubber goods	65–75	52–58	36–39	TDAE	26–29	–24
	Areas of use						
	Tires and mechanical rubber goods						

Brand	Segment	Mooney viscosity UML (1+4), 100 °C (Mooney units)	1,2-links content	Bound styrene content (%)	Type of filler oil	Filler oil content (%)	Glass transition temperature Tg (°C)
SSBR-4040 TDAE	Tires and MRG; Mechanical rubber goods	46–54	36–44	37–41	TDAE	26–29	–32
	Areas of use						
	Tires and mechanical rubber goods						

Titanium butadiene rubber

Brand	Segment	Areas of use	Mooney viscosity UML (1+4), 100 °C (Mooney units)	1,4-cis links content
BR 1203 Ti, Grade B	Tires and MRG; Mechanical rubber goods	Tires and mechanical rubber goods.	41–49	NLT 90

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