

BR-544

Neodymium butadiene rubber

A product of 1,3-butadiene polymerization in aliphatic hydrocarbons medium over neodymium compounds based catalyst system

Appearance: white; weight of a bale — 30 ± 1 kg

Package: PE film or EVA film; plastic container or metal container of type MB-5 (or its analogs)

Shelf life: 2 (two) years from the date of manufacture
Storage conditions: at the temperature not higher than 30 °C, in place protected from direct sunlight, atmospheric precipitation and pollution

Parameters	BR-544	Test method
Mooney viscosity ML_{1+4} (100 °C), MU, within	40-49	para. 4.2 of TU or ASTM D 1646
Viscosity spread in a lot Mooney, MU, max	6	para. 4.2 of TU
Loss on drying, wt %, max	0,50	para. 4.3 of TU or ASTM D 5668
Non-staining antioxidant, wt %, min	0,20	para. 4.4 of TU
Ash, wt %, max	0,50	para.4.5 of TU or ASTM D 5667
1.4-cis units, wt %, min	96	para 4.6 of TU or para 4.7 of TU

Curing characteristics, within:

- minimum torque ML, dNm		
- maximum torque, MH, dNm		
- time to cure start, t _{S1} , minutes	Not rated, determination is mandatory	para 4.8 of TU
- time to 50% cure, t'(50) minutes		
- time to 90% cure, t'(90) minutes		

Technical support service: techservice@sibur.ru

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