

### POLYBUTADIENE RUBBER ND-PBR (SKDN)

Product of butadiene polymerization in aliphatic hydrocarbons medium over neodymium catalyst system.

Chemical name: cis-1,4-polybutadiene

Application: manufacture of tires and rubber goods and other sectors of national economy, manufacture of technical and industrial goods.

Empiric formula:  $(-CH_2CH=CHCH_2-)_n$

Standard specification: TU 2294-100-05766801-2003

Property	Value				Test Methods
	groups			grades	
	1	2	3	44M1	
1 Mooney Viscosity, ML 1+4 (100 °C)	40-49	50-59	60-70	40-49	para. 4.2 TU
2 Mooney Viscosity spread in a lot, max	6			6	para. 4.2 TU
3 Loss on drying, %, max	0.5			0.5	para. 4.3 TU
4 Antioxidant Irganox 1520L (or similar), wt%, min: -	0.20			0.2	para. 4.4 TU
5 Ash, wt%, max	0.5			0.5	para 4.5 TU
6 Curing characteristics -minimum torque M <sub>L</sub> , dNm - maximum torque, M <sub>H</sub> , dNm - t <sub>S1</sub> , minutes - t <sub>50</sub> , minutes' - t <sub>90</sub> , minutes'	Not rated Determination is mandatory			-	para 4.6 TU
Cis-content, min, %	96 (upon request)				TU (Appendix A)
Notes: For 44M1 grade, maximum 2.6 MWD is guaranteed by the process technology and measured according to GOST R 57268.3 and para. 4.9 of this TU.					

**Product form:** 30 ± 1 kg bales

**Bales package:** For bales:  
- marked/unmarked PE film (M and T types), 0.050x(700-800) mm;  
- marked/unmarked EVA film, tubular, center-fold, 0.025x(750x2) mm; or EVA-80, web 0.05x750 mm;  
- four-ply paper bags HM or BM;  
- woven PP bags.

**Shipping package:** Box pallet, polymer pallet or Polybox container;  
Pallet box internal surface is covered with PE bag (liner) to protect from contamination; after loading the box is closed and wrapped with belt.  
Two shipping labels are applied to each pallet box.

**Transport:** All types of transport in accordance with the applicable shipping rules.

**Storage:** Woven PP bags with the product are stored in stacks of max 1.2 m height.  
Rubber packed in box pallets are stored in maximum 4 level stacks. Keep the product protected from contamination away from direct sunlight and rainfall.  
Guaranteed shelf life - 1 year from the date of production.