

**PBR Nd (SKDN)
(TU 2294-100-05766801-2003)**

Chemical Name : **CIS-Poli(Butadiene)**

Empirical Formula : **[-C₄H₆-]_N**

PBR Nd is a product of butadiene solution polymerization with neodymium compounds used as a catalyst. This rubber is used for production of tires, rubber-technical articles and in other areas of application. PBR Nd is gel-free, CIS-chains content is at least 96%.

MAIN QUALITY SPECIFICATIONS

	TEST METHOD	Group I Typical Value	Group II Typical Value	Group III Typical Value
Mooney Viscosity, ML 1+4 (100 °C)	GOST 10722 and § 4.2. TU	40 – 49	50 – 59	60 – 70
Viscosity spread in one lot, max.	GOST 10722 and § 4.2. TU	5	5	5
Plasticity	GOST 19920.17	0.4 – 0.5	0.4 – 0.5	0.4 – 0.5
Cold flow, mm/h, max.	GOST 19920.18	20	10	10
Loss of mass at drying, %, max.	GOST 19338 and § 4.3. TU	0.5	0.5	0.5
Agidol-2 mass content, %	GOST 19920.12 and § 4.7. TU	0.6 – 1.0	0.6 – 1.0	0.6 – 1.0
Ash mass content, %, max.	GOST 19816.4 and § 4.4. TU	0.5	0.5	0.5
Modulus at 300% elongation, MPa, min.	GOST 19920.20 and § 4.7. TU	9.0	9.0	9.0
Tensile strength, Mpa, min.	GOST 19920.20 and § 4.7. TU	19.5	20.0	20.0
Ultimate elongation, %, min.	GOST 19920.20 and § 4.7. TU	450	480	450
Rebound elasticity, %, min.	GOST 19920.20 and § 4.7. TU	51.0	51.0	51.0

Supply form 30±1 kg bales with ranging from light to dark-beige

Packaging Product is shipped in polyethylene film, paper bags, cardboard, wooden and metal pallet boxes

Transportation Product in pallet boxes is transported in covered wagons and large capacity containers with batching. Product in paper bags is transported without batching.

Storage Storage in warehouses at temperature not exceeding 30°C away from contamination, direct sunrays and atmospheric precipitation.