

CIS-BUTADIENE SYNTHETIC RUBBER PBR Nd

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%.

CAS Number: 9003-17-2

Design specification: TU 2294-100-05766801-2003

PROPERTY	VALUE			TEST METHOD
	Group I	Group II	Group III	
Mooney Viscosity, ML 1+4 (100°C)	40-49	50-59	60-70	GOST 10722 and para. 4.2 of TU
Viscosity spread in one lot, max.	5	5	5	GOST 10722 and para. 4.2 of TU
Plasticity	0,4 - 0,5	0,4 - 0,5	0,4 - 0,5	GOST 19920.17
Coldflow, mm/h, max.	20	10	10	GOST 19920.18
Loss of mass at drying, %, max.	0,5	0,5	0,5	GOST 19338 and para. 4.3 of TU
Agidol-2 mass content, %	0,6 - 1,0	0,6 - 1,0	0,6 - 1,0	GOST 19920.12 And para. 4.7 of TU
Ash mass content, %, max.	0,5	0,5	0,5	GOST 19816.4 and para. 4.4 of TU
Modulus at 300% elongation, MPa, min.	9,0	9,0	9,0	GOST 19920.20 and para. 4.7 of TU
Tensile strength, MPa, min.	19,5	20,0	20,0	GOST 19920.20 and para. 4.7 of TU
Ultimate elongation, %, min.	450	480	450	GOST 19920.20 and para. 4.7 of TU
Rebound elasticity, %, min.	51,0	51,0	51,0	

Supply form: 30 kg bales with color 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.

*The figures indicated on the table are standard values.

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