

**NEODIMIUM CATALYST BASED POLYBUTADIENE RUBBER (SKDN)**

PBR-Nd (SKDN) is a product of 1,3-butadiene polymerization in aliphatic hydrocarbons medium over neodymium compounds based catalyst system.

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

Chemical name: cis-1,4 -polybutadiene

Standard specification: TU 2294-100-05766801-2003

| Property | Values for groups | | | Test method |
|---|---------------------------------------|-------|-------|------------------------------------|
| | 1 | 2 | 3 | |
| 1 Mooney Viscosity, ML 1+4 (100 °C) within the range | 40÷49 | 50÷59 | 60÷70 | Acc. to TU para.4.2 or ASTM D 1646 |
| 2 Mooney Viscosity spread in a lot, max | 6 | | | Acc. to TU para.4.2 |
| 3 Volatiles, wt%, max | 0.5 | | | Acc. to TU para.4.3 or ASTM D 5668 |
| 4 Antioxidant Irganox 1520L (or similar), wt%, min | 0.2 | | | Acc. to TU para.4.4 |
| 5 Ash, wt%, max | 0.5 | | | Acc. to TU para.4.5 or ASTM D 5667 |
| 6 Curing characteristics - minimum torque M_L , dNm - maximum torque, M_H , dNm - time to cure start, t_{S1} , minutes - time to 50% cure, $t'(50)$ minutes - time to 90% cure, $t'(90)$ minutes | Not rated, determination is mandatory | | | Acc. to TU para.4.6 or ASTM D 5289 |
| Cis-content, min. | 96% (upon request) | | | TU (Appendix A) |

Product form: 30 ± 1 kg bales

Packaging: Rubber bales are wrapped in:

- marked and unmarked PE film (M and T grades), 0.050x(700-800) mm;
- center-fold, tubular marked and unmarked EVA film, (0.025×2) ×750 mm.

Shipping package: Product is stored and shipped in polymer pallet boxes. Pallet box internal surface is covered with PE bag (liner) before loading; after loading the box is closed and wrapped with belt.

Two shipping labels are applied to each box.

Transportation: All types of transport in accordance with goods shipping rules applicable to particular mode of transport.

Storage: Pallets with rubber are kept in maximum 3 level stacks.

Packed rubber should be stored in warehouses away from contamination, direct sunlight and rainfall.

Shelf life - 1 year from the date of production.

The information herein is based on our data compiled and believed to be reliable on the revision date. This specification does not release the user from responsibility to check the product for fitness for proposed application. The producer disclaims liability for any loss or damage arising out of using the information herein.