



SPECIFICATION

NEODYMIUM CATALYST

HS CODE - 40022000 | CAS NO - 9003-17-2

Neodymium butadiene rubber (BR) grades BR-544, BR-563 is a product of 1,3-butadiene polymerization in aliphatic hydrocarbons medium over neodymium compounds based catalyst system.

Chemical name: cis-1,4-polybutadiene
 Empirical formula: (- CH₂CH=CHCH₂ -) n
 Standard specification: TU 20.17.10-100-05766801-2021

Property	Values		Test Methods
	BR	BR	
Mooney Viscosity ML 1+4 (100 °C), MU, within	40-49	60-70	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, tS1, minutes - time to 50% cure, t'(50) minutes - time to 90% cure, t'(90) minutes	Not rated, determination is mandatory		para 4.8 of TU

Application: manufacture of tires and rubber goods and other sectors of national economy (including conveyor belts, V-belts, shoe soles).

Product form: 30 ± 1 kg bales

Packaging: Bales are wrapped in PE film or EVA film.

Wrapped briquettes are packed in box pallets:

- polymer container;
- metal containers of type MV-5 (or its analogs).

Pallet box internal surface is covered with PE film or 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.



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

Storage: Rubber packed in:

- polymer containers are stored in stacks of no more than 3 deck in height;
- metal containers are stored in stacks up to 5 deck in height;

Packaged rubber is stored in the warehouse of the manufacturer or consumer in places protected from direct sunlight, atmospheric precipitation and pollution.

Guarantee shelf life - 2 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 customer from the responsibility to check the product for fitness for the intended use. Producer disclaims liability for any loss or damage arising from usage of this information

