



HIGH 1,4-CIS BUTADIENE RUBBER (Nd-BR) BUNA™ CB

Neodymium catalyzed polybutadienes are highly elastic polymers with a very high degree of resistance to dynamic stress, and retain these properties even at extremely low temperatures. They have a very high 1.4-cis content together with a very low 1.2-vinyl content, a relatively narrow molecular weight distribution and a low degree of branching.

NdBR's micro- and macrostructure properties make them well suited for high performance golf balls requiring a high coefficient of restitution.

Nd-BRs can be blended with NR for goods having thick sections and requiring high resistance to reversion, e.g. buffers, roll covers needing high abrasion resistance, seals, profiles and other goods.

Provided that the compounds are formulated and processed correctly, the vulcanizates have good resistance to aging, reversion, abrasion and flex cracking, good low temperature flexibility and high resilience.

APPLICATIONS

Typical applications of Nd-BRs are:

- tires
- conveyor belts
- caterpillar tread blocks
- golf balls
- footwear soles
- V-belts



PRODUCT PORTFOLIO

Name	Production Site	Mooney (ML (1+4) @ 100 °C. MU)	Remark
Buna™ CB 22	Orange, Dormagen, Pt. Jérôme, Singapore, Cabo	63	highly linear
Buna™ CB 24	Orange, Dormagen, Pt. Jérôme, Singapore, Cabo	44	linear
Buna™ CB 25	Dormagen	44	long chain branched
Buna™ CB 29 MES	Dormagen	37	MES-oil extended
Buna™ CB 29 TDAE	Dormagen	37	TDAE-oil extended

TIRE AND SPECIALTY RUBBERS GLOBAL FOOTPRINT



WE ARE HAPPY TO SUPPORT YOUR BUSINESS

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