

SIBUR Synthetic Rubber BR-1243 Nd Grade D

High Cis Polybutadiene Rubber

SIBUR, LLC

Message:

Synthetic polybutadiene rubber BR-1243 Nd is a product of polymerization of butadiene in solution in the presence of rare-earth metal-base catalysts with addition of an antioxidant, which contains at least 96% of 1,4-cis-bonds. The polymer contains no nitrosamines or substances that may be a source of nitrosamines.

Product characteristics: Appearance - bale of white to light-yellow color; weight of a bale - (30 ± 1) kg; packing - a metal container, a plastic container; shelf life - one (1) year since the date of manufacture.

General Information			
Additive	Antioxidant 2		
Appearance	White		
Forms	Bale		
Physical	Nominal Value	Unit	Test Method
Mooney Viscosity (ML 1+4, 100°C)	58 to 66	MU	ASTM D1646
Ash Content	< 0.70	%	ASTM D5667
Volatile Matter	< 0.80	%	ASTM D5668
Rheometer MDR 2000 ¹			ASTM D5289
Maximum Torque (MH) : 160°C	16.4 to 22.0	dNm	
Minimum Torque (ML) : 160°C	2.40 to 3.80	dNm	
Prevulcanization start time (ts1) : 160°C	2.3 to 4.5	min	
Time to 50% vulcanization (T'50) : 160°C	5.5 to 8.5	min	
Time to 90% vulcanization (T'90) : 160°C	9.0 to 13.0	min	
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (300% Strain)	11.0	MPa	ASTM D3189
Tensile Strength (Yield)	17.0	MPa	ASTM D3189
Tensile Elongation (Break)	360	%	ASTM D3189
NOTE			

1. deformation of 0.5°, MH at 30 min

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection.All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519
Phone: +86 13424755533
Email: sales@su-jiao.com
No. 215, Lianhe North Road, Fengxian District, Shanghai, China



WECHAT