SIBUR Synthetic Rubber SBR-1500 Grade A

Styrene Butadiene Rubber

SIBUR, LLC

Message:

Styrene butadiene synthetic rubber SBR-1500 is essentially a styrene (23.5%) and butadiene (76.5%) copolymer obtained by emulsification method with the use of resin/fatty soaps. The polymer contains no nitrosamines and substances that may become a source of nitrosamines.
Product characteristics: Appearance - bale of dark-brown color; weight of a bale - (30 ± 1) kg; packing - a plastic container; shelf life - one (1) year since the date of manufacture.

General Information			
Additive	Antioxidant 2		
Appearance	Brown		
Forms	Bale		
Physical	**Nominal Value**	**Unit**	**Test Method**
Mooney Viscosity (ML 1+4, 100°C)	42 to 48	MU	ASTM D1646
Bound Styrene	22.5 to 24.5	%	Internal Method
Ash Content	< 0.50	%	ASTM D5289
Organic Acid	5.0 to 7.0	%	ASTM D5774
Soap - Organic Acid	< 0.30	%	ASTM D5774
Volatile Matter	< 0.80	%	ASTM D5668
Rheometer MDR 2000 [1]			ASTM D5289
Maximum Torque (MH) : 160°C	15.0 to 21.0	dNm	
Minimum Torque (ML) : 160°C	1.80 to 3.00	dNm	
Prevulcanization start time (ts1) : 160°C	2.2 to 4.5	min	
Time to 50% vulcanization (T'50) : 160°C	7.0 to 12.0	min	
Time to 90% vulcanization (T'90) : 160°C	13.0 to 21.0	min	
Elastomers	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress (300% Strain)	> 13.0	MPa	ASTM D3185
Tensile Strength (Yield)	> 22.5	MPa	ASTM D3185
Tensile Elongation (Break)	> 420	%	ASTM D3185
NOTE			
1.	deformation of 0.5°, MH at 30 min		

Recommended distributors for this material

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