

SIBUR Synthetic Rubber SBR-1706 Grade D

Emulsion Styrene Butadiene Rubber

SIBUR

Message:

Oil-extended styrene butadiene synthetic rubber SBR-1706 is essentially a styrene (23.5%) and butadiene (76.5%) copolymer obtained by emulsification method with the use of resin/fatty soaps. The copolymer is filled with oil HI-AR or TDAE. The polymer contains no nitrosamines and substances that may become a source of nitrosamines.

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	Oxidation resistance (1500 to 3500 ppm)		
Features	Copolymer		
	Antioxidation		
Appearance	Brown		
Forms	bag		
Physical	Nominal Value	Unit	Test Method
Mooney Viscosity (ML 1+4, 100°C)	36 - 44	MU	ASTM D1646
Bound Styrene	22.0 - 25.0	%	Internal method
Oil Content - HI-AR or TDAE	14 - 17	%	Internal method
Organic Acid	5.0 - 6.4	%	ASTM D5774
Soap - Organic Acid		%	ASTM D5774
Solvent Extract Content	19 - 25	%	Internal method
Ash Content		%	ASTM D5667
Volatile Matter		%	ASTM D5668
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (300% Strain)	> 9.80	MPa	ASTM D3185
Tensile Strength (Yield)	> 21.0	MPa	ASTM D3185
Tensile Elongation (Break)	> 400	%	ASTM D3185

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