

# SIBUR Synthetic Rubber SBR-1705 Group II

Emulsion Styrene Butadiene Rubber

SIBUR

## Message:

Butadiene-methylstyrene synthetic rubber SBR-1705 HI-AR is essentially a product of copolymerization of butadiene with a-methylstyrene in emulsion at a temperature of (4-8)°C where used as emulsifier is a mixture of disproportionated rosin and synthetic fatty acid soaps or complex emulsifiers. The rubber contains a high-aromatic oil and stabilizers of amine-phenol type.

Product characteristics: Appearance - bale of 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)	46 - 56	MU	ASTM D1646
Bound Styrene	21.0 - 24.0	%	Internal method
Oil Content - HI-AR	14 - 17	%	ASTM D5774
Organic Acid	5.0 - 6.7	%	ASTM D5774
Soap - Organic Acid		%	ASTM D5774
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)	> 21.6	MPa	ASTM D3185
Tensile Elongation (Break)	400 - 650	%	ASTM D3185

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