

LG Chemical SBR 1500H High Acrylonitrile Polymer

Category : Polymer , Thermoset , Rubber or Thermoset Elastomer (TSE)

Material Notes:

Description: SBR 1500H is a cold polymerized styrene-butadiene copolymer with non-staining stabilizer and especially well-suited for adhesive applications. It has high internal strength, and excellent shear and peel adhesion. And also SBR 1500H has good processability, high solubility in solvent and no gel characteristic. Applications: SBR 1500H can be used to conveyor belt and hand-built hose where good building tack and light color are required. CAS No: 9003-55-8. Information provided by LG Chemical

Order this product through the following link:

http://www.lookpolymers.com/polymer_LG-Chemical-SBR-1500H-High-Acrylonitrile-Polymer.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.940 g/cc	0.940 g/cc	
Volatiles	0.30 %	0.30 %	
Mooney Viscosity	52 @Temperature 100 Â°C	52 @Temperature 212 Â°F	ML 1+4
Ash	0.20 %	0.20 %	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	28.4 MPa @Temperature 145 Â°C, Time 2100 sec	4120 psi @Temperature 293 Â°F, Time 0.583 hour	ASTM D412
Elongation at Break	520 % @Temperature 145 Â°C, Time 2100 sec	520 % @Temperature 293 Â°F, Time 0.583 hour	ASTM D412
300% Modulus	0.0157 GPa @Temperature 145 Â°C, Time 2100 sec	2.28 ksi @Temperature 293 Â°F, Time 0.583 hour	ASTM D412

Chemical Properties	Metric	English	Comments
Styrene Content	23.5 %	23.5 %	Bound

Descriptive Properties	Value	Comments
Color	Light Tan Bale	
Components	HAF	50, ASTM D3185
	SBR 1500H	100, ASTM D3185

Descriptive Properties	Stearic Acid Value	ASTM D3185 Comments
	Sulfur	1.75, ASTM D3185
	TBBS	1, ASTM D3185
	ZnO	3, ASTM D3185
Organic Acid	0.061	
Soap	0.001	

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