

LG Chemical SBR 1500 High Acrylonitrile Polymer

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

Material Notes:

Description: NSBR 1500 is a cold polymerized styrene-butadiene copolymer with staining stabilizer. The cold polymerized SBR exhibits better abrasion, higher tensile strength and higher modulus than the hot polymerized SBR. SBR 1500 has more tack than other SBR due to the rosin acid emulsifying system in polymerization. This characteristic provides easier processing properties and better cohesion between rubber to rubber interface. However, due to the staining stabilizer, it can be used only in applications where color is of secondary importance. Applications: SB 1500 can be used to tire, camelback, molded and extruded industrial goods and dark colored products where staining and color are not limiting factors. 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-1500-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	Dark brown Bale	
Components	HAF	50, ASTM D3185

Descriptive Properties	Value	Comments
	500-1500	100, ASTM D3185
	Stearic Acid	1, ASTM D3185
	Sulfur	1.75, ASTM D3185
	TBBS	1, ASTM D3185
	ZnO	3, ASTM D3185
Organic Acid	0.061	
Soap	0.001	

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