

LG Chemical SBR 1502 High Acrylonitrile Polymer

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

Material Notes:

Description: SBR 1502 is a cold polymerized styrene-butadiene copolymer with styrene content of 23.5%. SBR 1502, a general purpose SBR, exhibits the excellent tensile strength, abrasion resistance, flexibility and recovery properties that are characteristic of cold polymerized SBR. This non-staining, non-discoloring polymer offers a wide range of bright and colorful stocks capable of satisfying requirements in a variety of products. Applications: SBR 1502 can be used to white sidewall tires, shoe soles, light and dark colored industrial goods and miscellaneous items where excellent physical properties and discoloration 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-1502-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	29.4 MPa @Temperature 145 Â°C, Time 2100 sec	4260 psi @Temperature 293 Â°F, Time 0.583 hour	ASTM D412
Elongation at Break	470 % @Temperature 145 Â°C, Time 2100 sec	470 % @Temperature 293 Â°F, Time 0.583 hour	ASTM D412
300% Modulus	0.0181 GPa @Temperature 145 Â°C, Time 2100 sec	2.63 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

Descriptive Properties	Value	Comments
	SDW T500H	T00, ASTM D3185
	Stearic Acid	1, ASTM D3185
	Sulfur	1.75, ASTM D3185
	TBBS	1, ASTM D3185
	ZnO	3, ASTM D3185
Organic Acid	0.028	
Rheometer	16.5 min	t'90, 160°C, 1° Arc, ASTM D5289
	2.5 min	ts1, 160°C, 1° Arc, ASTM D5289
	32 lb-in	MH, 160°C, 1° Arc, ASTM D5289
	4.0 lb-in	ML, 160°C, 1° Arc, ASTM D5289
	8.7 min	t'50, 160°C, 1° Arc, ASTM D5289
Soap	0.001	

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