

LG Chemical SBR 1778 High Acrylonitrile Polymer

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

Material Notes:

Description: SBR 1778 is an oil extended cold polymerization SBR with 37.5 parts of discoloring paraffinic/naphthenic oil and light colored high molecular weight styrene-butadiene copolymer of 23.5% bound styrene. SBR 1778 combines the physical properties of oil extended polymers with the light color properties of naphthenic oil. Applications: SBR 1778 can be used to hose, conveyor belt, tire and other industrial products for the light colored goods. 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-1778-High-Acrylonitrile-Polymer.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.920 g/cc	0.920 g/cc	
Volatiles	0.30 %	0.30 %	
Mooney Viscosity	46 @Temperature 100 Â°C	46 @Temperature 212 Â°F	ML 1+4
Ash	0.20 %	0.20 %	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	22.6 MPa @Temperature 145 Â°C, Time 2100 sec	3280 psi @Temperature 293 Â°F, Time 0.583 hour	ASTM D412
Elongation at Break	500 % @Temperature 145 Â°C, Time 2100 sec	500 % @Temperature 293 Â°F, Time 0.583 hour	ASTM D412
300% Modulus	0.0123 GPa @Temperature 145 Â°C, Time 2100 sec	1.78 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	68.75, ASTM D3185
	SBR 1739	137.5, ASTM D3185

Descriptive Properties	Stearyl Acid Value	1, ASTM D3185 Comments
	Sulfur	1.75, ASTM D3185
	TBBS	1.38, ASTM D3185
	ZnO	3, ASTM D3185
Oil Analysis	0.273	
Organic Acid	0.05	
Soap	0.001	

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