

Iran Petrochemical (PCC) SBR-1500 Styrene Butadiene Rubber

Category : Polymer , Thermoplastic , Styrene-Butadiene

Material Notes:

SBR 1500 is a high molecular weight styrene butadiene rubber combining good extrusion behavior and superior compound properties. SBR 1500 contains antioxidant to avoid product degradation. The high strength and great toughness of rubber permit the use of its elastic qualities. The properties of rubber show excellent resistance to cutting, tearing and abrasion. It has a relatively long, useful life under a wide variety of conduction. Applications: tires, tread rubber, molded and extruded mechanical goods. Information provided by Iran Petrochemical Commercial Co.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Iran-Petrochemical-PCC-SBR-1500-Styrene-Butadiene-Rubber.php

Physical Properties	Metric	English	Comments
Volatiles	<= 0.75 %	<= 0.75 %	ASTM D1416
Viscosity Measurement	52	52	raw viscosity, ML 1+4 @ 100Å°C; ASTM D1646
	<= 84	<= 84	compound viscosity, ML 1+4 @ 100Å°C; ASTM D1646
Ash	<= 1.5 %	<= 1.5 %	ASTM D1416

Mechanical Properties	Metric	English	Comments
Tensile Strength	>= 24.5 MPa	>= 3560 psi	35 min cured; ASTM D412
Elongation at Break	470 %	470 %	35 min cured; ASTM D412
300% Modulus	0.0136 GPa	1.98 ksi	35 min cured; ASTM D412

Chemical Properties	Metric	English	Comments
Styrene Content	23.5 %	23.5 %	ASTM D1416

Descriptive Properties	Value	Comments
Organic Acid, %	6.125	ASTM D1416
Soap, %	< 0.5	ASTM D1416

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