

Iran Petrochemical (PCC) SBR-1712 Styrene Butadiene Rubber

Category : Polymer , Thermoplastic , Styrene-Butadiene

Material Notes:

SBR-1712 is staining type cold SBR ,extended with 27.5 part of highly aromatic oil. Provided that the compounds are formulated and processed correctly, the vulcanized SBR-1712 has very good abrasion, good electrical properties and good resistance to polar solvents and dilute acids. Applications: The SBR-1712 used for the production of tires, high quality technical rubber goods, moulded and extruded mechanical rubber goods and other industrial products where colour and staining are not decisive factors. Information provided by Iran Petrochemical Commercial Co.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Iran-Petrochemical-PCC-SBR-1712-Styrene-Butadiene-Rubber.php

Physical Properties	Metric	English	Comments
Volatiles	<= 0.75 %	<= 0.75 %	ASTM D1416
Viscosity Measurement	42 - 52	42 - 52	raw viscosity, ML 1+4 @ 100°C; ASTM D1646
	<= 62	<= 62	compound viscosity, ML 1+4 @ 100°C; ASTM D1646
Ash	<= 1.5 %	<= 1.5 %	ASTM D1416

Mechanical Properties	Metric	English	Comments
Tensile Strength	>= 19.6 MPa	>= 2840 psi	35 min cured; ASTM D412
Elongation at Break	530 %	530 %	35 min cured; ASTM D412
300% Modulus	0.00775 - 0.0107 GPa	1.12 - 1.55 ksi	35 min cured; ASTM D412

Chemical Properties	Metric	English	Comments
Styrene Content	22.5 - 24.5 %	22.5 - 24.5 %	ASTM D1416

Descriptive Properties	Value	Comments
Oil Content	25.5 - 28.5	ASTM D1416
Organic Acid, %	3.9 - 5.7	ASTM D1416
Soap, %	< 0.5	ASTM D1416

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