

Network Polymers SBN 150 Styrene Butadiene Acrylonitrile Terpolymer

Category : Polymer , Thermoplastic , Acrylic (PMMA) , Polystyrene (PS) , Styrene-Butadiene , Styrene-Butadiene Copolymer , SBC

Material Notes:

Description: Styrene Butadiene Acrylonitrile Terpolymer Information provided by Network Polymers Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Network-Polymers-SBN-150-Styrene-Butadiene-Acrylonitrile-Terpolymer.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.04 g/cc	1.04 g/cc	ASTM D792
Melt Flow	7.4 g/10 min @Load 5.00 kg, Temperature 200 °C	7.4 g/10 min @Load 11.0 lb, Temperature 392 °F	Procedure A Condition G; ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	45.5 MPa	6600 psi	2 in per min; ASTM D638
Elongation at Break	10 %	10 %	chs 2 in/min; ASTM D638
Flexural Modulus	2.07 GPa	300 ksi	Tangent, chs 0.05 in/min; ASTM D790
Izod Impact, Notched	0.267 J/cm	0.500 ft-lb/in	0.125 inch bar; ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	82.8 °C	181 °F	0.125 inch bar Unannealed/Conditioned 48 hours at 23°C; ASTM D648
Vicat Softening Point	99.0 °C	210 °F	0.125 inch bar, 1 Kg; ASTM D1525

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