

PolyOne Synprene® RT-3790 Styrene Butadiene Block Copolymer (SBC) with Mineral Filler (discontinued **)

Category : Polymer , Thermoplastic , Styrene-Butadiene , Styrene-Butadiene Copolymer, SBC

Material Notes:

Synprene™ thermoplastic elastomers (TPEs) are compounds based on styrenic block copolymer (SBC) technology, and can be formulated to deliver extremely low hardness values not found in other elastomers. These materials are ideal for applications requiring flexibility over a wide temperature range, excellent colorability, broad processing capability and durability.

Order this product through the following link:

http://www.lookpolymers.com/polymer_PolyOne-Synprene-RT-3790-Styrene-Butadiene-Block-Copolymer-SBC-with-Mineral-Filler-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.12 g/cc	1.12 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	91	91	ASTM D2240
Tensile Strength at Break	9.38 MPa	1360 psi	510 mm/min; ASTM D412A
Tensile Strength, Yield	5.79 MPa @Strain 300 %	840 psi @Strain 300 %	510 mm/min; ASTM D412A
Elongation at Break	560 %	560 %	510 mm/min; ASTM D412A
Resilience	33	33	Bayshore Resilience; ASTM D2632
Tear Strength	36.6 kN/m	209 pli	Die C, 510 mm/min; ASTM D624

Descriptive Properties	Value	Comments
Features	General Purpose	
Forms	Pellets	
Generic Name	Styrene Butadiene Block Copolymer (SBC)	
Processing Method	Injection Molding	
Regional Availability	Africa & Middle East	
	Asia Pacific	
	Europe	
	North America	
	South America	

Descriptive Properties Uses	Value Construction Applications	Comments
	Consumer Applications	
	General Purpose	
	Industrial Applications	

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