

## PolyOne Synprene® RT-3750 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-3750-Styrene-Butadiene-Block-Copolymer-SBC-with-Mineral-Filler-nbspdiscontinued-.php](http://www.lookpolymers.com/polymer_PolyOne-Synprene-RT-3750-Styrene-Butadiene-Block-Copolymer-SBC-with-Mineral-Filler-nbspdiscontinued-.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.18 g/cc	1.18 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	53	53	ASTM D2240
Tensile Strength at Break	4.69 MPa	680 psi	510 mm/min; ASTM D412A
Tensile Strength, Yield	2.07 MPa @Strain 300 %	300 psi @Strain 300 %	510 mm/min; ASTM D412A
Elongation at Break	750 %	750 %	510 mm/min; ASTM D412A
Resilience	40	40	Bayshore Resilience; ASTM D2632
Tear Strength	20.1 kN/m	115 pli	Die C, 510 mm/min; ASTM D624
Compression Set	20 % @Temperature 23.0 °C, Time 79200 sec	20 % @Temperature 73.4 °F, Time 22.0 hour	ASTM D395B

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	

Descriptive Properties	Europe Value	Comments
	North America	
	South America	
Uses	Construction Applications	
	Consumer Applications	
	General Purpose	
	Industrial Applications	

## Contact Songhan Plastic Technology Co.,Ltd.

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