

PolyOne Synprene® RT-3890E Thermoplastic Elastomer - SBC (discontinued **)

Category : Polymer , Thermoplastic , Elastomer, TPE , Styrenic TPE

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. Description/Features: High Performance Thermoplastic Elastomer Natural Applications: Multi-Purpose FDA (Food contact) Processing Method: Extrusion Information provided by PolyOne Corporation

Order this product through the following link:

http://www.lookpolymers.com/polymer_PolyOne-Synprene-RT-3890E-Thermoplastic-Elastomer-SBC-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.890 g/cc	0.890 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	90	90	10 Sec; ASTM D2240
Tensile Strength, Yield	12.7 MPa	1840 psi	Method A (Dumbbell & Section), 20 in/min, Break; ASTM D412
	9.45 MPa @Strain 300 %	1370 psi @Strain 300 %	Method A (Dumbbell & Section), 20 in/min; ASTM D412
Elongation at Break	640 %	640 %	Method A (Dumbbell & Section), 20 in/min; ASTM D412
Tear Strength	57.8 kN/m	330 pli	Die C (graves), 20 in/min; ASTM D624

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