

PolyOne Synprene® RT-3860MS Thermoplastic Elastomer - SBC (discontinued **)

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

Material Notes:

Description/Features:High Performance Thermoplastic ElastomerUV StabilizedTranslucentApplications:Multi-PurposeMarket:Consumer GoodsProcessing Method:Injection MoldingPolyOne First ChoiceInformation provided by PolyOne Corporation.

Order this product through the following link:

http://www.lookpolymers.com/polymer_PolyOne-Synprene-RT-3860MS-Thermoplastic-Elastomer-SBC-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.900 g/cc	0.900 g/cc	ASTM D792
	0.900 g/cc	0.900 g/cc	ASTM D792
Linear Mold Shrinkage	0.0125 cm/cm	0.0125 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	61	61	Instant; ASTM D2240
	61	61	Instant; ASTM D2240
Tensile Strength, Yield	5.72 MPa	830 psi	Method A (Dumbbell & Section), 20 in/min, Break; ASTM D412
	5.72 MPa	830 psi	Method A (Dumbbell & Section), 20 in/min, Break; ASTM D412
	3.79 MPa @Strain 300 %	550 psi @Strain 300 %	Method A (Dumbbell & Section), 20 in/min; ASTM D412
Elongation at Break	620 %	620 %	Method A (Dumbbell & Section), 20 in/min; ASTM D412
	620 %	620 %	Method A (Dumbbell & Section), 20 in/min; ASTM D412
Rebound	50 %	50 %	Bayshore; ASTM D2632
Tear Strength	35.1 kN/m	200 pli	Die C (graves), 20 in/min; ASTM D624
Compression Set	20 %	20 %	Method B, 73°F(23°C), 22 hrs; ASTM D395

Thermal Properties	Metric	English	Comments
Brittleness Temperature	-65.0 °C	-85.0 °F	ASTM D746

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