

PolyOne Synprene® IT38-004M Thermoplastic Elastomer - SBC (discontinued **)

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

Material Notes:

Description/Features:High Performance Thermoplastic ElastomerNaturalOver-Molding GradeTransparentApplications: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-IT38-004M-Thermoplastic-Elastomer-SBC-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.900 g/cc	0.900 g/cc	ASTM D792
Linear Mold Shrinkage	0.026 cm/cm	0.026 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	36	36	Instant; ASTM D2240
Tensile Strength, Yield	5.38 MPa	780 psi	Method A (Dumbbell & Section), 20 in/min, Break; ASTM D412
	2.28 MPa @Strain 300 %	330 psi @Strain 300 %	Method A (Dumbbell & Section), 20 in/min; ASTM D412
Elongation at Break	700 %	700 %	Method A (Dumbbell & Section), 20 in/min; ASTM D412
Tear Strength	21.9 kN/m	125 pli	Die C (graves), 20 in/min; ASTM D624
Compression Set	21 %	21 %	Method B, 73°F(23°C), 22 hrs; ASTM D395

Optical Properties	Metric	English	Comments
Transmission, Visible	90 %	90 %	transparent; thickness not quantified

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