

PolyOne Synprene® IT 37-031 Thermoplastic Elastomer - SBC (discontinued **)

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

Material Notes:

Description/Features:Specialty Thermoplastic ElastomerMarket:IndustrialConsumer GoodsProcessing Method:Injection MoldingPolyOne First ChoiceInformation provided by PolyOne Corporation.

Order this product through the following link:

http://www.lookpolymers.com/polymer_PolyOne-Synprene-IT-37-031-Thermoplastic-Elastomer-SBC-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.21 g/cc	1.21 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	83	83	Instant; ASTM D2240
Tensile Strength, Yield	8.20 MPa	1190 psi	Method A (Dumbbell & Section), 20 in/min, Break; ASTM D412
	5.17 MPa @Strain 300 %	750 psi @Strain 300 %	Method A (Dumbbell & Section), 20 in/min; ASTM D412
Elongation at Break	460 %	460 %	Method A (Dumbbell & Section), 20 in/min; ASTM D412
Rebound	22 %	22 %	Bayshore; ASTM D2632
Tear Strength	28.0 kN/m	160 pli	Die C (graves), 20 in/min; ASTM D624

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