

PolyOne Synprene® RT-3630 Thermoplastic Elastomer - SBC (discontinued **)

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

Material Notes:

Description/Features:Multi-Purpose Thermoplastic ElastomerNaturalApplications:General PurposeInteriorMarket:Consumer GoodsIndustrialProcessing Method:Injection MoldingPolyOne First ChoiceInformation provided by PolyOne Corporation.

Order this product through the following link:

http://www.lookpolymers.com/polymer_PolyOne-Synprene-RT-3630-Thermoplastic-Elastomer-SBC-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.00 g/cc	1.00 g/cc	ASTM D792
Linear Mold Shrinkage	0.0070 cm/cm	0.0070 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	32	32	Instant; ASTM D2240
Tensile Strength, Yield	3.52 MPa	510 psi	Method A (Dumbbell & Section), 20 in/min, Break; ASTM D412
	2.21 MPa @Strain 300 %	320 psi @Strain 300 %	Method A (Dumbbell & Section), 20 in/min; ASTM D412
Elongation at Break	425 %	425 %	Method A (Dumbbell & Section), 20 in/min; ASTM D412
Tear Strength	10.5 kN/m	60.0 pli	Die C (graves), 20 in/min; ASTM D624
Compression Set	15 %	15 %	Method B, 73°F(23°C), 22 hrs; ASTM D395

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