

PolyOne Synprene® RT-3740 Thermoplastic Elastomer - SBC, Mineral Filled (discontinued **)

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

Material Notes:

Description/Features:Multi-Purpose Thermoplastic ElastomerMineral FilledNaturalApplications:General PurposeMarket:Consumer GoodsIndustrialBuilding and ConstructionProcessing Method:Injection MoldingPolyOne First ChoiceInformation provided by PolyOne Corporation.

Order this product through the following link:

http://www.lookpolymers.com/polymer_PolyOne-Synprene-RT-3740-Thermoplastic-Elastomer-SBC-Mineral-Filled-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.12 g/cc	1.12 g/cc	ASTM D792
	1.18 g/cc	1.18 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	43	43	Instant; ASTM D2240
	53	53	Instant; ASTM D2240
Tensile Strength, Yield	4.00 MPa	580 psi	Method A (Dumbbell & Section), 20 in/min, Break; ASTM D412
	4.69 MPa	680 psi	Method A (Dumbbell & Section), 20 in/min, Break; ASTM D412
	1.41 MPa @Strain 300 %	205 psi @Strain 300 %	Method A (Dumbbell & Section), 20 in/min; ASTM D412
Elongation at Break	2.07 MPa @Strain 300 %	300 psi @Strain 300 %	Method A (Dumbbell & Section), 20 in/min; ASTM D412
	750 %	750 %	Method A (Dumbbell & Section), 20 in/min; ASTM D412
Rebound	800 %	800 %	Method A (Dumbbell & Section), 20 in/min; ASTM D412
	40 %	40 %	Bayshore; ASTM D2632
Tear Strength	40 %	40 %	Bayshore; ASTM D2632
	15.8 kN/m	90.0 pli	Die C (graves), 20 in/min; ASTM D624
Compression Set	20.2 kN/m	115 pli	Die C (graves), 20 in/min; ASTM D624
	15 %	15 %	Method B, 73°F(23°C), 22 hrs; ASTM D395

Mechanical Properties

Metric

English

Method B, 73°F(23°C), 22 hrs; ASTM
D305

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