

PolyOne Synprene® RT-3780 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-3780-Thermoplastic-Elastomer-SBC-Mineral-Filled-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.14 g/cc	1.14 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	83	83	Instant; ASTM D2240
Tensile Strength, Yield	8.48 MPa	1230 psi	Method A (Dumbbell & Section), 20 in/min, Break; ASTM D412
	4.21 MPa @Strain 300 %	610 psi @Strain 300 %	Method A (Dumbbell & Section), 20 in/min; ASTM D412
Elongation at Break	600 %	600 %	Method A (Dumbbell & Section), 20 in/min; ASTM D412
Rebound	35 %	35 %	Bayshore; ASTM D2632
Tear Strength	34.0 kN/m	194 pli	Die C (graves), 20 in/min; ASTM D624
Compression Set	32 %	32 %	Method B, 73°F(23°C), 22 hrs; ASTM D395

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