

PolyOne Synprene® RT-3945 Thermoplastic Elastomer - SBC (discontinued **)

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

Material Notes:

Description/Features:High Performance Thermoplastic ElastomerUV StabilizedNaturalApplications:Multi-

PurposeMarket:AutomotiveBuilding and ConstructionConsumer GoodsIndustrialProcessing Method:Injection MoldingExtrusionPolyOne

First ChoiceInformation provided by PolyOne Corporation.

Order this product through the following link:

http://www.lookpolymers.com/polymer_PolyOne-Synprene-RT-3945-Thermoplastic-Elastomer-SBC-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.950 g/cc	0.950 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	45	45	Instant; ASTM D2240
Tensile Strength, Yield	6.21 MPa	900 psi	Method A (Dumbbell & Section), 20 in/min, Break; ASTM D412
	2.52 MPa @Strain 300 %	365 psi @Strain 300 %	Method A (Dumbbell & Section), 20 in/min; ASTM D412
Elongation at Break	625 %	625 %	Method A (Dumbbell & Section), 20 in/min; ASTM D412
Rebound	63 %	63 %	Bayshore; ASTM D2632
Tear Strength	28.0 kN/m	160 pli	Die C (graves), 20 in/min; ASTM D624
Compression Set	14 %	14 %	Method B, 73°F(23°C), 22 hrs; ASTM D395

Thermal Properties	Metric	English	Comments
Brittleness Temperature	-65.0 °C	-85.0 °F	ASTM D746

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