

PolyOne Synprene® RT-5190 Thermoplastic Elastomer - SBC (discontinued **)

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

Material Notes:

Description/Features:High Performance Thermoplastic ElastomerNaturalIgnition ResistantApplications:Multi-PurposeMarket:Building and ConstructionConsumer 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-5190-Thermoplastic-Elastomer-SBC-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.27 g/cc	1.27 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	33	33	10 Sec; ASTM D2240
Tensile Strength, Yield	13.8 MPa	2000 psi	Method A (Dumbbell & Section), 20 in/min, Break; ASTM D412
	7.93 MPa @Strain 300 %	1150 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	37 %	37 %	Bayshore; ASTM D2632
Tear Strength	57.8 kN/m	330 pli	Die C (graves), 20 in/min; ASTM D624
Compression Set	25 %	25 %	Method B, 73°F(23°C), 22 hrs; ASTM D395

Thermal Properties	Metric	English	Comments
Brittleness Temperature	-50.0 °C	-58.0 °F	ASTM D746
Flammability, UL94	V-0	V-0	Natural, 0.062 in thick; UL 94
Oxygen Index	27 %	27 %	0.062 in. bars; ASTM D2863

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