

PolyOne Synprene® IT 454 Thermoplastic Elastomer - SBC (discontinued **)

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

Material Notes:

Description/Features:Multi-Purpose Thermoplastic ElastomerApplications:General PurposeCove BaseInteriorMarket:AutomotiveConsumer GoodsBuilding and ConstructionProcessing Method:Extrusion and MoldingPolyOne First ChoiceInformation provided by PolyOne Corporation.

Order this product through the following link:

http://www.lookpolymers.com/polymer_PolyOne-Synprene-IT-454-Thermoplastic-Elastomer-SBC-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.22 g/cc	1.22 g/cc	ASTM D792
Linear Mold Shrinkage	0.0126 cm/cm	0.0126 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	28	28	10 Sec; ASTM D2240
Tensile Strength, Yield	4.31 MPa	625 psi	Method A (Dumbbell & Section), 20 in/min, Break; ASTM D412
	4.14 MPa @Strain 300 %	600 psi @Strain 300 %	Method A (Dumbbell & Section), 20 in/min; ASTM D412
Elongation at Break	375 %	375 %	Method A (Dumbbell & Section), 20 in/min; ASTM D412
Tear Strength	34.2 kN/m	195 pli	Die C (graves), 20 in/min; ASTM D624

Thermal Properties	Metric	English	Comments
Brittleness Temperature	-62.5 °C	-80.5 °F	ASTM D746

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