

PolyOne Synprene® IT 705 Thermoplastic Elastomer - SBC (discontinued **)

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

Material Notes:

Description/Features:High Performance Thermoplastic ElastomerUV StabilizedOpaqueApplications:Multi-PurposeGaskets and SealsProcessing Method:ExtrusionPolyOne First ChoiceInformation provided by PolyOne Corporation.

Order this product through the following link:

http://www.lookpolymers.com/polymer_PolyOne-Synprene-IT-705-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	67	67	Instant; ASTM D2240
Tensile Strength, Yield	7.412 MPa	1075 psi	Method A (Dumbbell & Section), 20 in/min, Break; ASTM D412
	4.69 MPa @Strain 300 %	680 psi @Strain 300 %	Method A (Dumbbell & Section), 20 in/min; ASTM D412
Elongation at Break	525 %	525 %	Method A (Dumbbell & Section), 20 in/min; ASTM D412
Tear Strength	35.1 kN/m	200 pli	Die C (graves), 20 in/min; ASTM D624
Compression Set	18 %	18 %	Method B, 73°F(23°C), 22 hrs; ASTM D395

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