

PolyOne Synprene® IT 38-034 Thermoplastic Elastomer - SBC (discontinued **)

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

Material Notes:

Description/Features:High Performance Thermoplastic ElastomerApplications:Multi-PurposeFDA (Food Contact)Market:Consumer GoodsProcessing Method:Extrusion and MoldingPolyOne First ChoiceDisclaimer: A thermoplastic elastomer compound formulated for use in food contact applications. The physical properties listed above are typical values obtained on laboratory prepared samples and tested in accordance with accepted test methods. All ingredients used in the formulation of this compound are listed in the United States FDA Code of Federal Regulations, Title 21 for use in the packaging of food. The listings cover many uses and restrictions may apply depending on the application. PLEASE CONTACT US TO REVIEW THE SUITABILITY OF SPECIFIC PRODUCTS IN SPECIFIC APPLICATIONS. This statement is only an overview of the FDA listings for this product. IT IS THE CUSTOMER'S RESPONSIBILITY TO ENSURE THAT THE COMPOUND IS SUITABLE FOR ITS INTENDED APPLICATIONS.Information provided by PolyOne Corporation.

Order this product through the following link:

http://www.lookpolymers.com/polymer_PolyOne-Synprene-IT-38-034-Thermoplastic-Elastomer-SBC-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.890 g/cc	0.890 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	65	65	Instantaneous; ASTM D2240
Tensile Strength, Ultimate	5.93 MPa	860 psi	Method A (Dumbbell & Section), 20 in/min, Break; ASTM D412
Elongation at Break	515 %	515 %	Method A (Dumbbell & Section), 20 in/min; ASTM D412
100% Modulus	0.00272 GPa	0.395 ksi	Method A (Dumbbell & Section), 20 in/min; ASTM D412
300% Modulus	0.00414 GPa	0.600 ksi	Method A (Dumbbell & Section), 20 in/min; ASTM D412
Tear Strength	28.0 kN/m	160 pli	Die C (graves), 20 in/min; ASTM D624
Compression Set	26 %	26 %	Method B, 73°F (23°C), 22 hrs; ASTM D395
	36 %	36 %	Method B, 104°F (40°C), 22 hrs; ASTM D395
	47 %	47 %	Method B, 158°F (70°C), 22 hrs; ASTM D395

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