

ExxonMobil Santoprene® 151-60 Thermoplastic Rubber (discontinued **)

Category : Polymer , Thermoplastic , Elastomer, TPE , Thermoplastic Elastomer, Melt-Processible Rubber

Material Notes:

Description: A black thermoplastic flame retardant elastomer with good fluid resistance, formulated to replace thermoset elastomers such as EPDM, polychloroprene, and chlorosulfonated polyethylene. It can be processed using injection molding, extrusion, blow molding or other melt processing techniques. Supplied as free-flowing pellets in 25 kilogram (55 pound) moisture barrier bags. Features: Excellent flex fatigue resistanceExcellent Ozone ResistanceProduct Notes: Values are for injection molded plaques, side gated. 102 mm x 152 mm x 2 mmInformation provided by Advanced Elastomer Systems.

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-Santoprene-151-60-Thermoplastic-Rubber-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	1.19 g/cc	0.0430 lb/in ³	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	58	58	5 seconds; ASTM D2240
Tensile Strength at Break	2.40 MPa	348 psi	Across flow; ASTM D412
Tensile Strength, Yield	1.20 MPa @Strain 100 %	174 psi @Strain 100 %	across flow; ASTM D412
Elongation at Break	350 %	350 %	Across flow; ASTM D412

Thermal Properties	Metric	English	Comments
Flammability, UL94	V-0 @Thickness 3.00 mm	V-0 @Thickness 0.118 in	
Oxygen Index	26 %	26 %	

Processing Properties	Metric	English	Comments
Processing Temperature	177 - 232 °C	351 - 450 °F	
Drying Temperature	82.0 °C	180 °F	Desiccant Dryer
Dry Time	3 hour	3 hour	Desiccant Dryer

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