

ExxonMobil Santoprene® 8203-45 Thermoplastic Rubber (discontinued **)

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

Material Notes:

Description: A colorable thermoplastic general purpose non-hygroscopic 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:** Non-hygroscopic product, requires little to no drying before processing Neutral, easy coloring formulation Excellent ozone resistance excellent flex fatigue resistance Superb surface appearance and minimal flow imperfections **Product Notes:** Values are for injection molded plaques, side gated. 102.6 mm x 152 mm x 2 mm Information provided by Advanced Elastomer Systems.

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-Santoprene-8203-45-Thermoplastic-Rubber-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	0.930 g/cc	0.0336 lb/in ³	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	46	46	15 seconds; ASTM D2240
Tensile Strength at Break	20.0 MPa	2900 psi	Across flow; ASTM D412
Tensile Strength, Yield	11.0 MPa @Strain 100 %	1600 psi @Strain 100 %	across flow; ASTM D412
Elongation at Break	770 %	770 %	Across flow; ASTM D412

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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