

ExxonMobil Santoprene® 201-73W228 Thermoplastic Rubber (discontinued **)

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

Material Notes:

Description: A colorable thermoplastic elastomer with good fluid resistance, formulated to replace foamed thermoset elastomers such as EPDM and thermoplastic foams. It is polyolefin-based and designed to be processed using especially adapted physical foam extrusion lines. Supplied as free-foaming pellets in 25 kilogram (55 pound) moisture barrier bags. Features: Fast, easy injection molding, especially for complex part geometries Good Sealing Performance Excellent surface aspect Minimal part warpage Can be injected at lower molding temperatures or at lower injection pressures Low odor Very low fogging Product Notes: Values are for injection molded plaques, side gated. 82.6 mm x 117.5 mm x 3 mm Information provided by Advanced Elastomer Systems.

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-Santoprene-201-73W228-Thermoplastic-Rubber-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	0.970 g/cc	0.0350 lb/in ³	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	73	73	5 seconds; ASTM D2240
Tensile Strength at Break	8.48 MPa	1230 psi	Across flow; ASTM D412
Tensile Strength, Yield	3.60 MPa @Strain 100 %	522 psi @Strain 100 %	across flow; ASTM D412
Elongation at Break	460 %	460 %	Across flow; ASTM D412
Tear Strength	13.0 kN/m	74.0 pli	212°F; ASTM D624
	28.0 kN/m	160 pli	73°F; ASTM D624
Compression Set	24 %	24 %	73°F, 170 hr; ASTM D395
	38 %	38 %	212°F, 170 hr; ASTM D395
Tensile Set	14 %	14 %	ASTM D412

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	125 °C	257 °F	Continuously for 1000 hours
Brittleness Temperature	-60.0 °C	-76.0 °F	ASTM D746

Processing Properties	Metric	English	Comments
Drying Temperature	82.0 °C	180 °F	Desiccant Dryer

Dry Time
Processing Properties

3 hour
Metric

3 hour
English

Desiccant Dryer
Comments

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