

ExxonMobil Santoprene® 121-80M300 Thermoplastic Elastomer (discontinued **)

Category : Polymer , Thermoplastic , Elastomer, TPE , Thermoplastic Vulcanizate Elastomer (TPV)

Material Notes:

A soft, black, UV resistant thermoplastic vulcanizate (TPV) in the thermoplastic elastomer (TPE) family. This material is designed for automotive interior applications requiring low fogging and good appearance. This grade of Santoprene TPV is shear-dependent and can be processed on conventional thermoplastics equipment for injection molding. It is polyolefin based and completely recyclable. Designed for fast, easy injection molding, especially for complex part geometries. Used in sealing applications. Recommended for applications requiring superior part surface appearance. Designed to be injected at lower molding temperatures or at lower injection pressures. Designed for automotive interior applications requiring low fogging and low odor. Information provided by Advanced Elastomer Systems

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-Santoprene-121-80M300-Thermoplastic-Elastomer-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.920 g/cc	0.920 g/cc	23°C; ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	75	75	.12 in; ASTM D2240
	77	77	Air at 275°F, 1008 hr; ASTM D573
Tensile Strength at Break	10.26 MPa	1488 psi	Air at 212°F, 1008 hr; ASTM D573
	11.0 MPa	1600 psi	Across Flow; ASTM D412
Tensile Strength, Ultimate	3.38 MPa	490 psi	Across Flow; ASTM D412
Elongation at Break	515.2 %	515.2 %	Air at 212°F, 1008 hr; ASTM D573
	560 %	560 %	Across Flow; ASTM D412
Compression Set	53 %	53 %	158°F, 22 hr; ASTM D395
	56 %	56 %	212°F, 70 hr; ASTM D395

Thermal Properties	Metric	English	Comments
Brittleness Temperature	-57.8 °C	-72.0 °F	ASTM D746

Processing Properties	Metric	English	Comments
Processing Temperature	175 - 230 °C	347 - 446 °F	

Descriptive Properties	Value	Comments
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Descriptive Properties	Value	Comments
Form	Pellets	

Contact Songhan Plastic Technology Co.,Ltd.

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