

ExxonMobil Santoprene® 201-64W175 Thermoplastic Elastomer (discontinued **)

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

Material Notes:

A soft, colorable thermoplastic vulcanizate (TPV) in the thermoplastic elastomer (TPE) family. This material combines good physical properties and chemical resistance, and is designed for thin wall or complex profile extrusion applications. This grade of Santoprene TPV is shear-dependent and can be processed on conventional thermoplastics equipment for extrusion. It is polyolefin based and completely recyclable. Designed for thin wall extrusion applications. Recommended for applications requiring excellent flex fatigue resistance. Recommended for applications requiring excellent ozone resistance. Information provided by Advanced Elastomer Systems

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-Santoprene-201-64W175-Thermoplastic-Elastomer-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.970 g/cc	0.970 g/cc	23°C; ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	64	64	.12 in; ASTM D2240
Tensile Strength at Break	6.62 MPa	960 psi	Across Flow; ASTM D412
Tensile Strength, Ultimate	2.69 MPa	390 psi	Across Flow; ASTM D412
Elongation at Break	460 %	460 %	Across Flow; ASTM D412

Processing Properties	Metric	English	Comments
Processing Temperature	175 - 230 °C	347 - 446 °F	
Die Temperature	204 °C	400 °F	Extrusion
Melt Temperature	177 - 204 °C	350 - 400 °F	Extrusion
Back Pressure	5.00 - 20.0 MPa	725 - 2900 psi	Extrusion

Descriptive Properties	Value	Comments
Change in Mass in IRM 903 Oil at 257°F for 70 hr	102	
Color	Natural Color	
Form	Pellets	

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