

ExxonMobil Santoprene® 261-87 Thermoplastic Elastomer (discontinued **)

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

Material Notes:

A hard, colorable thermoplastic vulcanizate (TPV) in the thermoplastic elastomer (TPE) family. This material has good fluid resistance for use in wet electrical wire and cable applications. This grade of Santoprene TPV is shear-dependent and can be processed on conventional thermoplastics equipment for injection molding, extrusion or blow molding. It is polyolefin based and completely recyclable. Polymeric Materials for Use in Wire and Cable Information provided by Advanced Elastomer Systems

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-Santoprene-261-87-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	87	87	.12 in; ASTM D2240
Tensile Strength at Break	15.9 MPa	2300 psi	Across Flow; ASTM D412
Tensile Strength, Ultimate	6.69 MPa	970 psi	Across Flow; ASTM D412
Elongation at Break	640 %	640 %	Across Flow; ASTM D412

Processing Properties	Metric	English	Comments
Processing Temperature	175 - 230 °C	347 - 446 °F	
Mold Temperature	10.0 - 51.7 °C	50.0 - 125 °F	Processing
Drying Temperature	82.2 °C	180 °F	
Dry Time	3 hour	3 hour	
Moisture Content	0.080 %	0.080 %	
Back Pressure	0.345 - 0.689 MPa	50.0 - 100 psi	Processing
Clamp Pressure	41.4 - 68.9 MPa	6000 - 10000 psi	
Vent Depth	0.00254 cm	0.00100 in	
Cushion	0.317 - 0.635 cm	0.125 - 0.250 in	
Screw Speed	100 - 200 rpm	100 - 200 rpm	

Descriptive Properties	Value	Comments
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Color Descriptive Properties	Natural Color Value	Comments
Form	Pellets	
Injection Rate	Fast	
Maximum Regrind %	20	
Screw Compression Ratio	2:1 - 2.5:1	
Screw L/D Ratio	16:1 - 20:1	

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