

ExxonMobil Santoprene® 8291-85PA Thermoplastic Elastomer (discontinued **)

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

Material Notes:

A soft, colorable, specialty thermoplastic vulcanizate (TPV) in the thermoplastic elastomer (TPE) family. It is especially formulated to bond to PA-6 and blends thereof for applications where hard/soft combinations are required. This grade of Santoprene TPV is shear-dependent and can be processed on conventional thermoplastics equipment for injection molding or extrusion. It is polyolefin based and completely recyclable. Information provided by Advanced Elastomer Systems

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-Santoprene-8291-85PA-Thermoplastic-Elastomer-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.940 g/cc	0.940 g/cc	23°C; ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	84	84	.12 in; ASTM D2240
	85	85	Air at 158°F, 168 hr; ASTM D573
	86	86	212°F, 168 hr; ASTM D573
	86	86	275°F, 168 hr; ASTM D573
Tensile Strength at Break	3.72 MPa	540 psi	275°F, 168 hr; ASTM D573
	5.90 MPa	855 psi	158°F, 168 hr; ASTM D573
	6.05 MPa	877 psi	257°F, 70 hr; ASTM D573
	6.21 MPa	900 psi	Across Flow; ASTM D412
Tensile Strength, Ultimate	4.21 MPa	610 psi	Across Flow; ASTM D412
Elongation at Break	244.8 %	244.8 %	275°F, 158 hr; ASTM D573
	309.6 %	309.6 %	212°F, 168 hr; ASTM D573
	360 %	360 %	Across Flow; ASTM D412
	331.2 %	331.2 %	158°F, 168 hr; ASTM D573
	@Temperature 65.6 °C	@Temperature 150 °F	
Tear Strength	23.8 kN/m	136 pli	73°F, Die C; ASTM D624

Descriptive Properties	Value	Comments
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Change in Mass in IRM 903 Oil at 257°F for 70 hr Descriptive Properties	49 Value	Comments
Color	Natural Color	
Form	Pellets	

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