

ExxonMobil Santoprene® 8291-70PA 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-8291-70PA-Thermoplastic-Elastomer-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.930 g/cc	0.930 g/cc	23°C; ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	70 @Thickness 2.00 mm	70 @Thickness 0.0787 in	ISO 868
Tensile Strength at Break	3.72 MPa	540 psi	Across Flow; ASTM D412
Tensile Strength, Ultimate	2.55 MPa	370 psi	Across Flow; ASTM D412
Elongation at Break	380 %	380 %	Across Flow; ASTM D412
Tear Strength	17.7 kN/m	101 pli	73°F, Die C; ASTM D624
Compression Set	39 %	39 %	ASTM D395; ASTM D395
	79 %	79 %	257°F, 70 hr; ASTM D395

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

Descriptive Properties	Value	Comments
Color	Natural Color	
Form	Pellets	

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