

ExxonMobil Santoprene® 8211-25 Thermoplastic Elastomer

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

Material Notes:

A soft, colorable, non-hygroscopic thermoplastic vulcanizate (TPV) in the thermoplastic elastomer (TPE) family. This material combines good physical properties and chemical resistance for use in difficult injection molding applications. This grade of Santoprene 8000 TPV is shear-dependent and can be processed on conventional thermoplastics equipment for injection molding. It is polyolefin based and completely recyclable. Non-hygroscopic product, requires little to no drying before processing. Neutral, easy coloring formulation. Excellent sealing properties. Dishwasherability. Information provided by Advanced Elastomer Systems

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-Santoprene-8211-25-Thermoplastic-Elastomer.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	21	21	Air at 158°F, 168 hr; ASTM D573
	23	23	ISO 868
	@Thickness 2.00 mm	@Thickness 0.0787 in	
Tensile Strength at Break	2.184 MPa	316.8 psi	Air at 158°F, 168 hr; ASTM D573
	2.21 MPa	320 psi	Across Flow; ASTM D412
Tensile Strength, Ultimate	0.483 MPa	70.0 psi	Across Flow; ASTM D412
Elongation at Break	350 %	350 %	Across Flow; ASTM D412
	423.5 %	423.5 %	Air at 158°F, 168 hr; ASTM D573
Compression Set	11 %	11 %	73°F, 22 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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