

ExxonMobil Santoprene® 8201-80HT 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 offers enhanced tensile, tear and abrasion properties along with improved processability and finished part appearance. This grade of Santoprene 8000 TPV is shear-dependent and can be processed on conventional thermoplastics equipment for injection molding or extrusion. It is polyolefin based and completely recyclable. Key Features: Designed for applications requiring superior abrasion resistance. UL listed: file #QMFZ2.E80017, Plastics - Component; file #QMFZ8.E80017, Plastics Certified For Canada - Component. EU and China RoHS compliant. Applications: Tubing Uses: Hose Tubing Processing Method: Blow Molding, Coextrusion, Extrusion, Extrusion Blow Molding, Injection Molding, Multi Injection Molding, Profile Extrusion, Sheet Extrusion, Thermoforming and Vacuum Forming Availability: Africa & Middle East, Europe, North America, Asia Pacific, Latin America and South America Information provided by ExxonMobil Chemical

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-Santoprene-8201-80HT-Thermoplastic-Elastomer.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.950 g/cc	0.950 g/cc	23°C; ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	81	81	2 mm, 15 sec; ISO 868
Tensile Strength at Break	11.9 MPa	1730 psi	Across Flow; ASTM D412
Tensile Stress	3.50 MPa @Strain 100 %	508 psi @Strain 100 %	Across Flow; ASTM D412
Elongation at Break	700 %	700 %	Across Flow; ASTM D412
Tear Strength	43.1 kN/m	246 pli	73°C, Die C; ASTM D624
Compression Set	23 %	23 %	73°F, 70 hr; ASTM D395
	46 %	46 %	158°F, 70 hr; ASTM D395

Thermal Properties	Metric	English	Comments
Flammability, UL94	HB @Thickness 1.50 mm	HB @Thickness 0.0591 in	

Processing Properties	Metric	English	Comments
Processing Temperature	180 - 215 °C	356 - 419 °F	

Descriptive Properties	Value	Comments
Color	Natural Color	
Form	Pellets	

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