

ExxonMobil Santoprene® 251-85W232 Thermoplastic Elastomer

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

Material Notes:

A hard, colorable, flame retardant thermoplastic vulcanizate (TPV) in the thermoplastic elastomer (TPE) family. This material has good fluid resistance and contains non-ether brominated flame retardants (non-furan emitting). It does not contain added antioxidants or metal deactivators. 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. Key Features: UL listed: file #QMFZ2.E80017, Plastics - Component; file #QMFZ8.E80017, Plastics Certified For Canada - Component. Recommended for applications requiring excellent flex fatigue resistance. Recommended for applications requiring excellent ozone resistance. EU and China RoHS compliant. Applications: Automotive – Flame Retardant Connectors and Seals Electrical – Flame Retardant Connectors and seals; Flame Retardant Wire and Cable Jacket Uses: Automotive Applications Cable Jacketing Flexible Cord Jacketing Wire & Cable Applications 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-251-85W232-Thermoplastic-Elastomer.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.15 g/cc	1.15 g/cc	23°C; ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	89 @Thickness 2.00 mm	89 @Thickness 0.0787 in	15 sec; ISO 868
Tensile Strength at Break	10.6 MPa	1540 psi	Across Flow; ASTM D412
Tensile Stress	4.50 MPa @Strain 100 %	653 psi @Strain 100 %	Across Flow; ASTM D412
Elongation at Break	540 %	540 %	Across Flow; ASTM D412

Thermal Properties	Metric	English	Comments
Flammability, UL94	V-2 @Thickness 0.750 mm	V-2 @Thickness 0.0295 in	

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

Descriptive Properties	Value	Comments
Change in Mass in IRM 903 Oil at 257°F for 70 hr	35	

Color Descriptive Properties	Natural Color Value	Comments
Form	Pellets	

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