

ExxonMobil Santoprene® 123-50W175 Thermoplastic Elastomer

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

Material Notes:

A hard, black, UV resistant thermoplastic vulcanizate (TPV) in the thermoplastic elastomer (TPE) family. This material combines good physical properties and chemical resistance for use in thin wall applications. 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: Recommended for applications requiring excellent flex fatigue resistance. Recommended for applications requiring excellent ozone resistance. Designed for improved UV resistance. EU and China RoHS compliant. Applications: Automotive- Seals, Gaskets and Weather Seals. Uses: Automotive Applications Automotive Exterior Trim 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-123-50W175-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 D	51 @Thickness 2.00 mm, Time 15.0 sec	51 @Thickness 0.0787 in, Time 0.00417 hour	ISO 868
Tensile Strength, Yield	11.3 MPa	1640 psi	Across Flow; ASTM D638
Elongation at Break	32 %	32 %	Across Flow; ASTM D638

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	99	
Color	Black	
Form	Pellets	

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