

ExxonMobil Santoprene® 123-52W242 Thermoplastic Elastomer

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

Material Notes:

A hard, black thermoplastic vulcanizate (TPV) in the thermoplastic elastomer (TPE) family. This material has low friction resistance and is especially designed for slip-coating materials in weatherstrip applications. This grade of Santoprene TPV is shear-dependent and can be processed on conventional thermoplastics equipment for extrusion. It is polyolefin based and completely recyclable. Key Features: Designed for applications requiring excellent wear resistance, excellent weather resistance or part surface with low friction factor. Co-extrudable with other olefin thermoplastic rubbers. Designed for excellent surface smoothness and flexibility as slip-coating material. 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-123-52W242-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	52	52	ISO 868
	@Thickness 2.00 mm, Time 15.0 sec	@Thickness 0.0787 in, Time 0.00417 hour	
Tensile Strength, Yield	12.4 MPa	1800 psi	Across Flow; ASTM D638
Elongation at Yield	27 %	27 %	Across Flow; ASTM D638

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

Descriptive Properties	Value	Comments
Color	Black	
Form	Pellets	

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