

## ExxonMobil Santoprene® 101-45W255 Thermoplastic Elastomer

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

### Material Notes:

A soft, black thermoplastic vulcanizate (TPV) in the thermoplastic elastomer (TPE) family. This material is designed for use in residential dishwasher applications and contains a stabilization system for protection against copper and other metal-catalyzed degradation. This grade of Santoprene 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: UL listed: file #QMFZ2.E80017, Plastics - Component; file #QMFZ8.E80017, Plastics Certified For Canada -Component. EU and China RoHS compliant. Applications: Appliance - Dishwasher Seals and Gaskets. Uses: Appliance Components. Gaskets Seal Processing Method: Coextrusion, Injection Molding, Profile Extrusion, Extrusion, Multi Injection Molding and Sheet Extrusion. 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-101-45W255-Thermoplastic-Elastomer.php](http://www.lookpolymers.com/polymer_ExxonMobil-Santoprene-101-45W255-Thermoplastic-Elastomer.php)

Physical Properties	Metric	English	Comments
Specific Gravity	0.980 g/cc	0.980 g/cc	23°C; ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	48	48	0.078 in; ASTM D2240
Tensile Strength at Break	4.00 MPa	580 psi	Across Flow; ASTM D412
Tensile Stress	1.40 MPa @Strain 100 %	203 psi @Strain 100 %	Across Flow; ASTM D412
Elongation at Break	400 %	400 %	Across Flow; ASTM D412

Thermal Properties	Metric	English	Comments
Flammability, UL94	HB @Thickness 1.70 mm	HB @Thickness 0.0669 in	
	HB @Thickness 3.00 mm	HB @Thickness 0.118 in	

Descriptive Properties	Value	Comments
Change in Mass in IRM 903 Oil at 257°F for 70 hr	0.35	
Color	Black	
Form	Pellets	

## **Contact Songhan Plastic Technology Co.,Ltd.**

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