

ExxonMobil Santoprene® 121-55W241 Thermoplastic Elastomer

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

Material Notes:

A soft, black, UV resistant thermoplastic vulcanizate (TPV) in the thermoplastic elastomer (TPE) family. This material combines good physical properties and chemical resistance for use in difficult injection molding applications. This grade of Santoprene TPV is shear-dependent and can be processed on conventional thermoplastics equipment for injection molding. It is polyolefin based and completely recyclable. Key Features: Used in glass encapsulation applications Used in sealing applications. Recommended for applications requiring superior part surface appearance. Designed to be injected at lower molding temperatures or at lower injection pressures. EU and China RoHS compliant. Applications: Automotive-Glass Encapsulation and Weather Seals Uses: Automotive Applications Automotive Interior 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-121-55W241-Thermoplastic-Elastomer.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.920 g/cc	0.920 g/cc	23°C; ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	59	59	2 mm, 15 sec; ISO 868
Tensile Strength at Break	4.83 MPa	700 psi	Across Flow; ASTM D412
Tensile Strength, Ultimate	2.00 MPa	290 psi	Across Flow; ASTM D412
Elongation at Break	480 %	480 %	Across Flow; ASTM D412
Compression Set	29 %	29 %	73°F, 70 hr; ASTM D395
	56 %	56 %	257°F, 70 hr; ASTM D395

Thermal Properties	Metric	English	Comments
Brittleness Temperature	-62.8 °C	-81.0 °F	ASTM D746

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	79	
Color	Black	

Form Descriptive Properties	Pellets Value	Comments
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