

**ExxonMobil Santoprene® 121-65W233 Thermoplastic Elastomer (discontinued \*\*)**

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 specially formulated to bond to sulfur or peroxide-cured thermoset EPDM rubber for corner molding, end caps and special fixation 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. Designed for applications requiring excellent adhesion to vulcanized EPDM rubber. Specially formulated to replace thermoset EPDM rubber in automotive glass run channel corner molding applications. Designed for shorter processing time compared to thermoset EPDM rubber. Used in sealing applications. Information provided by Advanced Elastomer Systems

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_ExxonMobil-Santoprene-121-65W233-Thermoplastic-Elastomer-nbspdiscontinued-.php](http://www.lookpolymers.com/polymer_ExxonMobil-Santoprene-121-65W233-Thermoplastic-Elastomer-nbspdiscontinued-.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	65	65	.12 in; ASTM D2240
	66	66	Air at 212°F, 70 hr; ASTM D573
Tensile Strength at Break	5.016 MPa	727.5 psi	Air at 212°F, 70 hr; ASTM D573
	5.17 MPa	750 psi	Across Flow; ASTM D412
Tensile Strength, Ultimate	2.00 MPa	290 psi	Across Flow; ASTM D412
Elongation at Break	536.9 %	536.9 %	Air at 212°F, 70 hr; ASTM D573
	590 %	590 %	Across Flow; ASTM D412
Compression Set	20 %	20 %	158°F, 22 hr; ASTM D395

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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