

## ExxonMobil Santoprene® 121-80B230 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 specially formulated to bond to sulfur or peroxide-cured thermoset EPDM rubber for corner molding, end caps and special fixation applications, and for COF enhancement. 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 Benefits: 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. Adheres to vulcanized EPDM rubber over wide range of temperatures. Adheres to TPV over wide range of temperatures. Enhanced COF properties. EU and China RoHS compliant. Applications: Automotive- 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 Advanced Elastomer Systems

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_ExxonMobil-Santoprene-121-80B230-Thermoplastic-Elastomer.php](http://www.lookpolymers.com/polymer_ExxonMobil-Santoprene-121-80B230-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	79	79	2 mm, 15 sec; ISO 868
Tensile Strength at Break	8.27 MPa	1200 psi	Across Flow; ASTM D412
Tensile Stress	3.30 MPa @Strain 100 %	479 psi @Strain 100 %	Across Flow; ASTM D412
Elongation at Break	500 %	500 %	Across Flow; ASTM D412
Compression Set	50 %	50 %	128°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	

## Contact Songhan Plastic Technology Co.,Ltd.

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