

## ExxonMobil Santoprene® 291-60B150 Thermoplastic Vulcanizate

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

### Material Notes:

**Product Description:** A colorable, specialty thermoplastic vulcanizate (TPV) in the thermoplastic elastomer (TPE) family. It is especially formulated to bond to PC, ABS, PC/ABS, ASA and PMMA for applications where hard/oft combinations are required. 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:** Designed for excellent adhesion to PC, ABS, PC/ABS, ASA and PMMA (cold insert or 2K [two-shot] molding). Broad processing window in injection molding. Recommended for applications requiring superior part surface appearance. EU and China RoHS compliant.  
**Applications:** Automotive-Plugs, Bumpers, Grommets, Clips Consumer-Floor Care, Kitchen Tools, Power Tools, Writing Instruments Consumer Applications Seals and Gaskets Soft Touch Grips  
**Uses:** Appliance Components Appliances Automotive Applications Automotive Under the Hood Bonding Cell Phones Consumer Applications Eyeglass Frames Flexible Grips Kitchenware Living Hinges Seals Sporting Goods Strain Reliefs Tie-Layer White Goods & Small Appliances Processing  
**Method:** Coextrusion, Injection Molding and Multi Injection Molding  
**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-291-60B150-Thermoplastic-Vulcanizate.php](http://www.lookpolymers.com/polymer_ExxonMobil-Santoprene-291-60B150-Thermoplastic-Vulcanizate.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.04 g/cc	1.04 g/cc	ASTM D792 and ISO 1183

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	62	62	2 mm; ISO 868
	@Time 15.0 sec	@Time 0.00417 hour	
Tensile Strength at Break	5.90 MPa	856 psi	Across Flow; ASTM D412 and ISO 37
Tensile Stress	2.10 MPa	305 psi	Across Flow; ASTM D412 and ISO 37
	@Strain 100 %	@Strain 100 %	
Elongation at Break	470 %	470 %	Across Flow; ASTM D412 and ISO 37
Tear Strength	28.0 kN/m	160 pli	Across Flow, Die C; ASTM D624
	28.0 kN/m	160 pli	Across Flow, Method Bb, Angle (Nicked); ISO 34-1
Compression Set	34 %	34 %	ASTM D395B Type 1 and ISO 188 Type A
	@Temperature 23.0 °C, Time 79200 sec	@Temperature 73.4 °F, Time 22.0 hour	
	62 %	62 %	ASTM D395B Type 1 and ISO 188 Type A
	@Temperature 70.0 °C, Time 79200 sec	@Temperature 158 °F, Time 22.0 hour	

Descriptive Properties	Value	Comments
Change in Mass in Air	-1.1%	ASTM D573, 100°C, 168 hr
Change in Shore Hardness in Air	-2%	Shore A, ASTM D573, 100°C, 672 hr
Change in Tensile Strength in Air	0%	ASTM D573, 100°C, 168 hr
Change in Ultimate Elongation in Air	-11%	ASTM D573, 100°C, 168 hr
Change in Volume in Air	-1.2%	ASTM D573, 100°C, 168 hr

## Contact Songhan Plastic Technology Co.,Ltd.

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