

## ExxonMobil Santoprene® 8291-60B500 Thermoplastic Vulcanizate (discontinued \*\*)

Categories: [Polymer](#); [Thermoplastic](#); [Elastomer, TPE](#); [Thermoplastic Vulcanizate Elastomer \(TPV\)](#)


**Material Notes:** **Product Description:** A soft, colorable, specialty thermoplastic vulcanizate (TPV) in the thermoplastic elastomer (TPE) family. It is especially formulated to bond to PA 6, PA 6/6, PA 6 GF, PA 11, PA 12 and PA 6/12 substrates in applications where hard/soft 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 completely recyclable.

### Key Features:

- Designed for excellent adhesion to PA6, PA6/6, PA6GF, PA11, PA 12 and PA6/12 (cold insert or 2K [two-shot] molding).
- Broad processing window for injection molding.
- Recommended for applications requiring superior part surface appearance.
- EU and China RoHS compliant.

Information provided by ExxonMobil Chemical.

**Vendors:** No vendors are listed for this material. Please [click here](#) if you are a supplier and would like information on how to add your listing to this material.

Physical Properties	Metric	English	Comments
Specific Gravity	0.940 g/cc	0.940 g/cc	ASTM D792 and ISO 1183
Mechanical Properties	Metric	English	Comments
Hardness, Shore A	63 @Time 15.0 sec	63 @Time 0.00417 hour	2 mm; ISO 868
Tensile Strength at Break	3.10 MPa	450 psi	Across Flow; ASTM D412 and ISO 37
Tensile Stress	2.10 MPa @Strain 100 %	305 psi @Strain 100 %	Across Flow; ASTM D412 and ISO 37
Elongation at Break	220 %	220 %	Across Flow; ASTM D412 and ISO 37
Thermal Properties	Metric	English	Comments
Flammability, UL94 	HB @Thickness 1.20 mm	HB @Thickness 0.0472 in	UL File Number - E80017
	HB @Thickness 3.00 mm	HB @Thickness 0.118 in	

\*\* Materials flagged as discontinued (🚫) are no longer part of the manufacturer's standard product line according to our latest information. These materials may be available by special order, in distribution inventory, or reinstated as an active product. Data sheets from materials that are no longer available remain in MatWeb to assist users in finding replacement materials.

Users of our Advanced Search (registration required) may exclude discontinued materials from search results.

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