

SANTOPRENE® 291-60B150

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/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.

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.
- Designed for soft touch applications.

Typical mechanical properties

Stress at 100% elongation	2.1 MPa	ISO 527-1/-2 or ISO 37
Stress at break	8 MPa	ISO 527-1/-2 or ISO 37
Elongation at break	540 %	ISO 527-1/-2 or ISO 37
Shear Modulus	4.44 MPa	ISO 6721
Shore A hardness, 15s	65	ISO 48-4 / ISO 868
Shore A hardness change, after ageing	-2	ISO 48-4 / ISO 868
Compression set at 23°C, 24h	34 %	ISO 815
Compression set at 70°C, 24h	62 %	ISO 815

Thermal properties

Change in mass after ageing	-1.1 %	ISO 188
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Other properties

Density	1060 kg/m ³	ISO 1183
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Injection

Melt Temperature Optimum	215 °C	Internal
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Processing Texts

Processing Notes	Desiccant drying for 3 hours at 90°C (194°F) is recommended. Because of its inherent nature to bond, this material may, on occasion, agglomerate from shipping and storage. Santoprene® TPV is incompatible with acetal and PVC.	
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