

SANTOPRENE® 8291-85TL

SANTOPRENE®

A hard, colorable, specialty thermoplastic vulcanizate (TPV) in the thermoplastic elastomer (TPE) family. It is especially formulated to create multilayer constructions offering bonding to textiles, metals, fluoroelastomers and PAs. This grade of Santoprene® TPV is shear-dependent and can be processed on conventional thermoplastics equipment for extrusion. It is polyolefin based and recyclable within the manufacturing stream.

Product information

Resin Identification	TPV	ISO 1043
Part Marking Code	>TPV<	ISO 11469

Typical mechanical properties

Tensile stress at 100% elongation, perpendicular	4 MPa	ISO 527-1/-2 or ISO 37
Stress at break, perpendicular	9.2 MPa	ISO 527-1/-2 or ISO 37
Elongation at break, perpendicular	830 %	ISO 527-1/-2 or ISO 37
Shore A hardness, 15s	86	ISO 48-4 / ISO 868

Physical/Other properties

Density	900 kg/m ³	ISO 1183
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Additional information

Processing Notes

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Desiccant drying for 4 hours at 70 °C (160 °F) is recommended. Santoprene® TPV has a wide temperature processing window from 185 to 260 °C (365 to 500 °F), depending on substrate conditions and residence time, and is incompatible with acetal and PVC.