

SANTOPRENE® 101-80 ECO-R

SANTOPRENE®

A soft, black, versatile thermoplastic vulcanizate (TPV) grade in the thermoplastic elastomer (TPE) family made using minimum 15% post-consumer recycled (PCR) materials. It is a general-purpose product well suiting needs of extrusion, co-extrusion applications, particularly that of static foot of automotive weather seal systems like glass run channels. This grade of Santoprene® TPV is shear-dependent and can be processed on conventional thermoplastics equipment for extrusion or thermoforming. 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	4.5 MPa	ISO 37
Stress at break, perpendicular	8.7 MPa	ISO 527-1/-2 or ISO 37
Elongation at break, perpendicular	560 %	ISO 527-1/-2 or ISO 37
Shore A hardness, 15s	83	ISO 48-4 / ISO 868
Compression set, 23 °C, 24h	26 %	ISO 815
Compression set, 70 °C, 24h	38 %	ISO 815
Initial Tear Resist., Die C	42 kN/m	ISO 34-1

Physical/Other properties

Density	974 kg/m ³	ISO 1183
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Extrusion

Drying Temperature	82 °C
Drying Time, Dehumidified Dryer	3 h
Melt Temperature Range	175 - 205 °C

Characteristics

Additives	Contains Recycle
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Additional information

Processing Notes

Processing Notes

Desiccant drying for 3 hours at 82 °C (180 °F) is recommended. Santoprene® TPV has a wide temperature processing window from 175 to 230 °C (350 to 450 °F) and is incompatible with acetal and PVC.