

# 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 M	ЛРа	ISO 37
Stress at break, perpendicular	8.7 M	ЛРa	ISO 527-1/-2 or ISO 37
Elongation at break, perpendicular	560 %	6	ISO 527-1/-2 or ISO 37
Shore A hardness, 15s	83		ISO 48-4 / ISO 868
Compression set, 23°C, 24h	26 %	6	ISO 815
Compression set, 70°C, 24h	38 %	6	ISO 815
Initial Tear Resist., Die C	42 kl	ιN/m	ISO 34-1

## Physical/Other properties

Density 974 kg/m<sup>3</sup> ISO 1183

#### Extrusion

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

### Characteristics

Additives Contains Recycle

#### 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 incompatiable with acetal and PVC.

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