

ISO 1183

# SANTOPRENE® 101-60W261

### **SANTOPRENE®**

A soft, black, versatile thermoplastic vulcanizate (TPV) in the thermoplastic elastomer (TPE) family. This material combines good physical properties and chemical resistance for use in a wide range of applications. This grade of Santoprene® TPV is shear-dependent and can be processed on conventional thermoplastics equipment for injection molding, extrusion or blow molding. It is polyolefin based and recyclable within the manufacturing stream.

# **Key Features**

- · Designed for applications requiring good elastic recovery
- · Recommended for applications requiring excellent flex fatigue resistance

## **Product information**

Resin Identification Part Marking Code	TPV >TPV<		ISO 1043 ISO 11469
Typical mechanical properties			
Tensile stress at 100% elongation, perpendicular		MPa	ISO 37
Stress at break, perpendicular Elongation at break, perpendicular	7.2 550	MPa %	ISO 527-1/-2 or ISO 37 ISO 527-1/-2 or ISO 37
Shore A hardness, 15s	65	0.4	ISO 48-4 / ISO 868
Compression set, 23°C, 24h	14	, -	ISO 815
Compression set, 100°C, 24h	39	%	ISO 815
Physical/Other properties			

## Additional information

**Processing Notes** 

Density

### **Processing Notes**

Desiccant drying for 3 hours at 80 °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.

950 kg/m<sup>3</sup>

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Revised: 2024-01-23 Source: Celanese Materials Database

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