

ISO 1183

# SANTOPRENE® 201-55W255

### **SANTOPRENE®**

A soft, colorable thermoplastic vulcanizate (TPV) in the thermoplastic elastomer (TPE) family. This material is designed for use in residential washing machine and dishwasher applications and contains a stabilization system for protection against copper and other metal-catalyzed degradation. This grade of Santoprene<sup>TM</sup> TPV is shear-dependent and can be processed on conventional thermoplastics equipment for injection molding or extrusion. It is polyolefin based and recyclable within the manufacturing stream.

## **Key Features**

· Property retention in presence of typical dishwasher and washing machine detergents

#### **Product information**

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Resin Identification	TPV		ISO 1043
Part Marking Code	>TPV<		ISO 11469
Typical mechanical properties			
Tensile stress at 100% elongation, perpendicular	1.9	MPa	ISO 37
Stress at break, perpendicular	5.1	MPa	ISO 527-1/-2 or ISO 37
Elongation at break, perpendicular	450	%	ISO 527-1/-2 or ISO 37
Shore A hardness, 15s	60		ISO 48-4 / ISO 868
Compression set, 23°C, 24h	16	%	ISO 815
Compression set, 70°C, 24h	35	%	ISO 815
Compression set, 100°C, 24h	42	%	ISO 815
Flammability			
Burning rate, Thickness 2 mm	34.8	mm/min	ISO 3795 (FMVSS 302)
Physical/Other properties			

## Additional information

**Processing Notes** 

Density

## **Processing Notes**

Desiccant drying for 3 hours at 80 °C (180 °F) is recommended. Santoprene<sup>TM</sup> TPV has a wide temperature processing window from 175 to 230 °C (350 to 450 °F) and is incompatible with acetal and PVC.

960 kg/m<sup>3</sup>

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