

ISO 1183

# SANTOPRENE® 121-65M300

#### **SANTOPRENE®**

A soft, black, UV resistant thermoplastic vulcanizate (TPV) in the thermoplastic elastomer (TPE) family. This material is designed for automotive interior applications requiring low fogging and good appearance. This grade of Santoprene® TPV is shear-dependent and can be processed on conventional thermoplastics equipment for injection molding. It is polyolefin based and recyclable within the manufacturing stream.

## **Key Features**

- Designed for fast, easy injection molding, especially for complex part geometries
- Used in sealing applications
- Recommended for applications requiring superior part surface appearance
- Designed to be injected at lower molding temperatures or at lower injection pressures
- · Designed for automotive interior applications requiring low fogging and low odor
- Designed for improved UV resistance

#### **Product information**

Resin Identification Part Marking Code	TPV >TPV<		ISO 1043 ISO 11469
Typical mechanical properties			
Tensile stress at 100% elongation, perpendicular	2.3	MPa	ISO 37
Stress at break, perpendicular	6.6	MPa	ISO 527-1/-2 or ISO 37
Elongation at break, perpendicular	490	%	ISO 527-1/-2 or ISO 37
Brittleness Temperature	-52	°C	ASTM D 746
Shore A hardness, 15s	65		ISO 48-4 / ISO 868
Compression set, 70°C, 24h	41	%	ISO 815
Flammability			
Burning rate, Thickness 2 mm	42.1	mm/min	ISO 3795 (FMVSS 302)
Physical/Other properties			

## Additional information

Density

Processing Notes Processing Notes

Desiccant drying for 3 hours at  $80^{\circ}$ C ( $180^{\circ}$ 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.

920 kg/m<sup>3</sup>

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