

# 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	TPV	ISO 1043
Part Marking Code	>TPV<	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)
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### Physical/Other properties

Density	920 kg/m <sup>3</sup>	ISO 1183
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### Additional information

#### Processing Notes

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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.