

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	TPV		ISO 1043
Part Marking Code	>TPV<		ISO 11469
Typical mechanical properties			
* 1			
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
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.

920 kg/m³

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