

SANTOPRENE® 121-65M300

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

Typical mechanical properties

Stress at 100% elongation	334 psi	ISO 527-1/-2 or ISO 37
Stress at break	957 psi	ISO 527-1/-2 or ISO 37
Elongation at break	490 %	ISO 527-1/-2 or ISO 37
Brittleness Temperature	-62 °F	ASTM D 746
Low temperature brittleness	-61.6 °F	ISO 812
Shore A hardness, 15s	65	ISO 48-4 / ISO 868
Shore hardness change, after ageing	2	ISO 48-4 / ISO 868
Compression set at 70°C, 24h	41 %	ISO 815

Other properties

Density	479 lb/gal	ISO 1183
---------	------------	----------

Processing Texts

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.
------------------	---

Other Approvals

Other Approvals

OEM	Specification
Stellantis - Chrysler	MS-AR-100 BMV2-HF
GM	GMW15816P-TPV, Type 5
Ford	WSS-M2D510-A6
Mercedes-Benz Group (Daimler)	DBL 5562
VW Group	VW50123
VW Group	VW50180