

# SANTOPRENE® 121-70M350

A soft, black, UV resistant thermoplastic vulcanizate (TPV) in the thermoplastic elastomer (TPE) family. This material is designed for gap filler applications requiring scratch resistance 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

## Typical mechanical properties

Stress at 100% elongation	2.6 MPa	ISO 527-1/-2 or ISO 37
Stress at break	6.2 MPa	ISO 527-1/-2 or ISO 37
Elongation at break	480 %	ISO 527-1/-2 or ISO 37
Shear Modulus	7.47 MPa	ISO 6721
Shore A hardness, 15s	70	ISO 48-4 / ISO 868
Compression set at 70°C, 24h	40 %	ISO 815

## Other properties

Density	930 kg/m <sup>3</sup>	ISO 1183
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## Injection

Melt Temperature Optimum	215 °C	Internal
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## 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.
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## Other Approvals

Other Approvals	OEM	Specification	Additional Information
	Mercedes-Benz Group (Daimler)	DBL 5562	
	VW Group	TL 526 22	MDX1/12
	VW Group	VW50123	
	VW Group	VW50180	

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Page: 2 of 2

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