

# SANTOPRENE® 121-80B200

A soft, black, UV resistant thermoplastic vulcanizate (TPV) in the thermoplastic elastomer (TPE) family. This material is specially formulated to enhance bonding onto EPDM vulcanized parts and TPV materials. It offers better adhesion on a small contact area, such as for weatherseals with thin lips or complex geometry. 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

- Adheres to TPV and vulcanized EPDM rubber over a wide range of temperatures
- High flexibility and targeted to automotive profiles, TPV or EPDM rubber
- Higher gloss enables matching better extruded profile mating surface
- Used in sealing applications
- Corner Molding

## Typical mechanical properties

Stress at 100% elongation	3.9 MPa	ISO 527-1/-2 or ISO 37
Stress at break	11.9 MPa	ISO 527-1/-2 or ISO 37
Elongation at break	725 %	ISO 527-1/-2 or ISO 37
Shear Modulus	13.4 MPa	ISO 6721
Shore A hardness, 15s	81	ISO 48-4 / ISO 868

## Other properties

Density	910 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

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OEM	Specification	Additional Information
Stellantis - PSA Group	PMP 01378_15_01962	
Mercedes-Benz Group (Daimler)	DBL 5562	
Stellantis - FCA Group	55248/02	EMP-80
Geely	Q/JLY J7110166B	
Li Auto	Q/LiA5310057	2021 (V2)

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Renault	FRM 18-27-142	
SAIC Motor	SMTC 5 320 024	
VW Group	VW50123	

Printed: 2023-08-08

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Revised: 2023-06-27 Source: Celanese Materials Database

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