

# SANTOPRENE® 121-65B200

A soft, black, UV resistant thermoplastic vulcanizate (TPV) in the thermoplastic elastomer (TPE) family. This material is specially formulated to bond to thermoset EPDM rubber for corner molding, end caps and special applications requiring such adhesion to thermoset EPDM. 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 vulcanized EPDM rubber over wide range of temperatures
- High flexibility targeted for dynamic EPDM applications
- Higher gloss enables matching EPDM mating surface
- Used in sealing applications

## Typical mechanical properties

Stress at 100% elongation	2.3 MPa	ISO 527-1/-2 or ISO 37
Stress at break	9.2 MPa	ISO 527-1/-2 or ISO 37
Elongation at break	600 %	ISO 527-1/-2 or ISO 37
Shear Modulus	7.47 MPa	ISO 6721
Shore A hardness, 15s	67	ISO 48-4 / ISO 868
Compression set at 23 °C, 24h	22 %	ISO 815
Compression set at 70 °C, 24h	48 %	ISO 815

## 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

Other Approvals	OEM	Specification	Additional Information
	Stellantis - FCA Group	55248/02	EMP-60
	Mercedes-Benz Group (Daimler)	DBL 5562	
	Renault	FRM 18-27-141 /---	
	Geely	Q/JLY J7110166B	
	Li Auto	Q/LiA5310057	2021 (V2)

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SAIC Motor	SMTC 5 320 024	
VW Group	TL 526 41C	
VW Group	TL 527 03	
VW Group	VW50123	
VW Group	VW50180	

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