

# SANTOPRENE® 121-65B200

## SANTOPRENE®

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

### Product information

Resin Identification	TPV	ISO 1043
Part Marking Code	>TPV<	ISO 11469

### Typical mechanical properties

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

### Physical/Other properties

Density	910 kg/m <sup>3</sup>	ISO 1183
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### Injection

Ejection temperature	80 °C
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### Additional information

Processing Notes

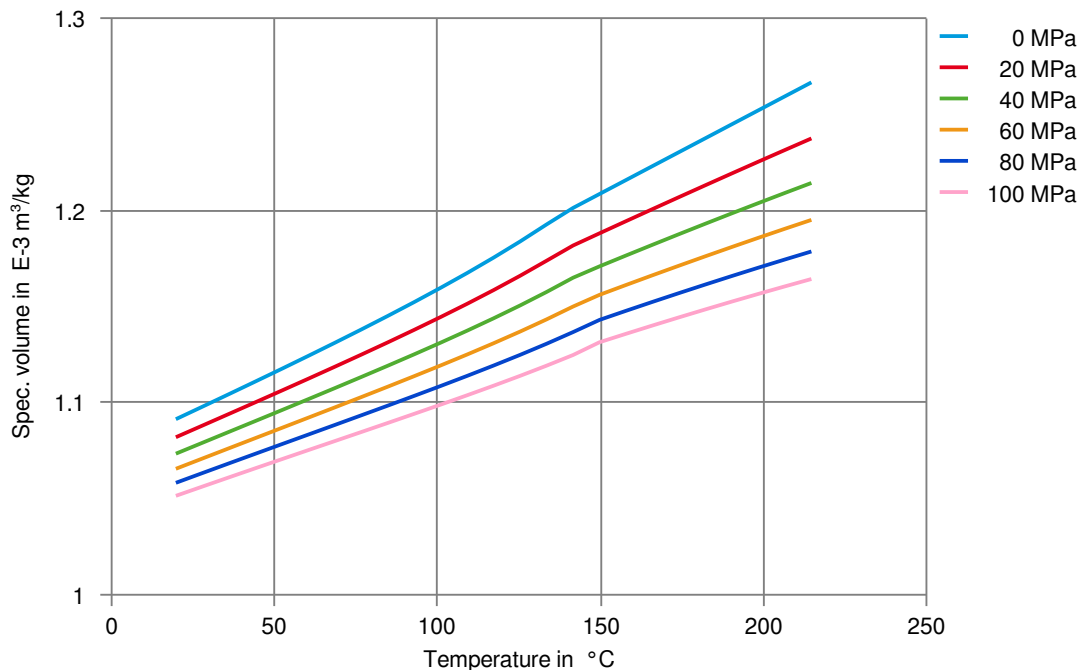
### Processing Notes

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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## Specific volume-temperature (pvT)



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