

# SANTOPRENE® 291-75B150

## SANTOPRENE®

Santoprene® 291-75B150 is a colorable, specialty thermoplastic vulcanizate (TPV) in the thermoplastic elastomer (TPE) family. It is especially formulated to bond to PC, ABS, PC/ABS, ASA and PMMA for applications where hard/soft combinations are required. This grade of Santoprene® TPV is shear-dependent and can be processed on conventional thermoplastics equipment for injection molding or extrusion.

### Key Features

- Designed for excellent adhesion to PC, ABS, PC/ABS, ASA and PMMA (cold insert or 2K [two-shot] molding).
- Broad processing window in injection molding.
- Recommended for applications requiring superior part surface appearance.
- Designed for soft touch applications.
- UL listed: file #QMFZ2.E80017, Plastics - Component; file #QMFZ8.E80017, Plastics Certified For Canada - Component.

### Product information

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

### Typical mechanical properties

Shore A hardness, 15s	78	ISO 48-4 / ISO 868
Compression set, 23 °C, 24h	38 %	ISO 815
Compression set, 70 °C, 24h	68 %	ISO 815

### Physical/Other properties

Density	1090 kg/m <sup>3</sup>	ISO 1183
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### Injection

Melt Temperature Optimum	215 °C
Min. melt temperature	165 °C
Max. melt temperature	265 °C
Mold Temperature Optimum	50 °C
Min. mould temperature	20 °C
Max. mould temperature	56 °C
Ejection temperature	56 °C

### Additional information

Processing Notes

### Processing Notes

Desiccant drying for 3 hours at 90 °C (194 °F) is recommended.  
 Santoprene® 291-XXB150 grade has processing window from 170 °C to 190 °C.  
 Santoprene® TPV is incompatible with acetal and PVC.

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## Specific volume-temperature (pvT)

