

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 ³	ISO 1183
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

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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.

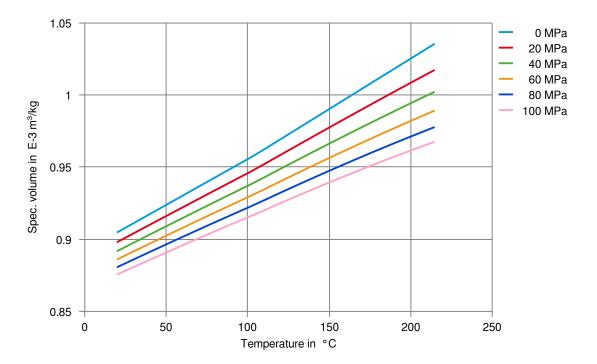
Printed: 2024-04-30 Page: 1 of 2

Revised: 2024-01-23 Source: Celanese Materials Database



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Specific volume-temperature (pvT)



Printed: 2024-04-30 Page: 2 of 2

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