

SANTOPRENE® 251-85W232

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A hard, colorable, flame retardant thermoplastic vulcanizate (TPV) in the thermoplastic elastomer (TPE) family. This material has good fluid resistance and contains non-ether brominated flame retardants. It does not contain metal deactivators. This grade of Santoprene® TPV is shear-dependent and can be processed on conventional thermoplastics equipment for injection molding, extrusion, blow molding, thermoforming or vacuum forming. It is polyolefin based and recyclable within the manufacturing stream.

Key Features

- UL listed: file #QMFZ2.E80017, Plastics Component; file #QMFZ8.E80017, Plastics Certified For Canada Component; file #QMTT2.E86313, Polymeric Materials for Use in Wire, Cable and Flexible Lighting Products Component.
- · Recommended for applications requiring a flame retardant material UL 94 Vertical Flame rated.
- Recommended for applications requiring excellent flex fatigue resistance.
- · Recommended for applications requiring excellent ozone resistance.

Product information

TPV		ISO 1043
>TPV<		ISO 11469
4.5	MPa	ISO 37
10.6	MPa	ISO 527-1/-2 or ISO 37
540	%	ISO 527-1/-2 or ISO 37
89		ISO 48-4 / ISO 868
V-2	class	IEC 60695-11-10
0.75	mm	IEC 60695-11-10
yes		UL 94
1150	kg/m³	ISO 1183
	>TPV< 4.5 10.6 540 89 V-2 0.75 yes	>TPV< 4.5 MPa 10.6 MPa 540 % 89 V-2 class 0.75 mm

Additional information

Processing Notes

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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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