

SANTOPRENE® 201-73

A soft, colorable, versatile thermoplastic vulcanizate (TPV) in the thermoplastic elastomer (TPE) family. This material combines good physical properties and chemical resistance for use in a wide range of applications. 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.
- Recommended for applications requiring excellent flex fatigue resistance.
- · Excellent ozone resistance.

Typical mechanical properties

Stress at 100% elongation	3.6 N	MPa	ISO 527-1/-2 or ISO 37
Stress at break	8.8 N	MPa	ISO 527-1/-2 or ISO 37
Elongation at break	490 %	%	ISO 527-1/-2 or ISO 37
Brittleness temperature	-60 °	°C	ISO 974
Brittleness Temperature	-60 °	°C	ASTM D 746
Shore A hardness, 15s	78		ISO 48-4 / ISO 868
Compression set at 70°C, 24h	28 %		ISO 815
Tear strength, normal	29 k	kN/m	ISO 34-1
Thermal properties			
RTI, electrical, 1.5mm	100 °	°C	UL 746B
RTI, strength, 1.5mm	90 °	°C	UL 746B
RTI, strength, 3mm	95 °	°C	UL 746B
Flammability			
Hot Wire Ignition, 1.5mm	PLC 3 s	3	UL 746A
Hot Wire Ignition, 3mm	PLC 3 s	3	UL 746A
Electrical properties			
Comparative tracking index	PLC 0 P	PLC	UL 746A
High Voltage Arc Tracking Rate	PLC 1 m	nm/min	UL 746A
Other properties			
Density	970 k	kg/m ³	ISO 1183
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Injection

Drying Temperature	82 °C
Drying Time, Dehumidified Dryer	3 h
Processing Moisture Content	0.08 %
Max. mould temperature	10 - 52 °C
Injection speed	fast

Characteristics

Electrical / Electronic

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.

RoHS / UL QMFZ2, Canada UL QMFZ8

Other Approvals

Other Approvals

OEM	Specification	Additional Information
Stellantis - Chrysler		MS-AR-100 CGN
Ford	WSD-M2D380-A1	
MAN	M3236 A7	
VW Group	VW50123	

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