

# SANTOPRENE<sup>®</sup> 201-64

## **SANTOPRENE®**

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<sup>™</sup> TPV is shear-dependent and can be processed on conventional thermoplastics equipment for injection molding, extrusion or blow molding. 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

### **Product information**

TPV	ISO 1043
>TPV<	ISO 11469
2.6 MPa	ISO 37
7 MPa	ISO 527-1/-2 or ISO 37
450 %	ISO 527-1/-2 or ISO 37
-60 °C	ASTM D 746
69	ISO 48-4 / ISO 868
18 %	ISO 815
44 %	ISO 815
22 kN/m	ISO 34-1
100 °C	UL 746B
	UL 746B
	UL 746B
95 °C	UL 746B
135 °C	SAE J2236
	UL 749
	UL 2157
17	022107
HB class	IEC 60695-11-10
1.5 mm	IEC 60695-11-10
yes	UL 94
HB class	IEC 60695-11-10
1 mm	IEC 60695-11-10
yes	UL 94
20 mm/min	ISO 3795 (FMVSS 302)
	UL 746A
PLC 2 s	UL 746A
	>TPV< 2.6 MPa 7 MPa 450 % -60 °C 69 18 % 44 % 22 kN/m 100 °C 100 °C 100 °C 90 °C 90 °C 95 °C 135 °C 135 °C 135 °C 135 °C 135 °C 135 °C 135 °L 135 °L 135 °C 135 °L 135 °L 13



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Electrical properties			
Relative permittivity, 60Hz	2.3		IEC 62631-2-1
Arc Resistance Performance Level Category	PLC 6		UL 746B
Electric Strength, Short Time, 2mm		kV/mm	ASTM D 149
High Amperage Arc Ignition Category, 1.5 mm	PLC 0	class	UL 746A
Physical/Other properties			
	070		
Density	970	kg/m³	ISO 1183
Injection			
Max. regrind level	20	%	
Back pressure	0.517	MPa	
Extrusion			
Drying Temperature	82	°C	
Drying Time, Dehumidified Dryer	3	h	
Melt Temperature Range	196	°C	

### Additional information

**Processing Notes** 

#### **Processing Notes**

Desiccant drying for 3 hours at 80 °C (180 °F) is recommended. Santoprene<sup>TM</sup> 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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