Component - Plastics

File Number: E80017

EXXONMOBIL CHEMICAL CO
22777 Springwoods Village Pky
Spring, TX 77389 United States

Santoprene (TM) TPV: 101-73(f1)(f3)(f4)

Ethylene Propylene Thermoplastic Rubber (EPTR), pellets

(f1) - Suitable for outdoor use with respect to exposure to Ultraviolet Light, Water Exposure and Immersion in accordance with UL 746C.
(f3) - Suitable for use with respect to exposure to detergent, in accordance with UL 749
(f4) - Suitable for use with respect to exposure to detergent, in accordance with UL 2157.

Flammability	Value	Test Method
Flame Rating		
1.0 mm, BK	HB	UL 94
1.5 mm, BK	HB	UL 94
3.0 mm, BK	HB	UL 94
3.0 mm, BK	HB40	IEC 60695-11-10, -20
1.0 mm, BK	HB75	IEC 60695-11-10, -20
1.5 mm, BK	HB75	IEC 60695-11-10, -20
Glow Wire Flammability Index (1.5 mm)	650 °C	IEC 60695-2-12
Glow Wire Ignition Temperature (1.5 mm)	675 °C	IEC 60695-2-13
Electrical	**Value**	**Test Method**
Hot-wire Ignition (HWI)		UL 746
1.0 mm	PLC 4	
1.5 mm	PLC 3	
3.0 mm	PLC 3	
High Amp Arc Ignition (HAI)		UL 746
1.0 mm	PLC 0	
1.5 mm	PLC 0	
3.0 mm	PLC 0	
Comparative Tracking Index (CTI)	PLC 0	UL 746
Dielectric Strength	43 kV/mm	ASTM D149 IEC 60243-1
High Voltage Arc Tracking Rate (HVTR)	PLC 1	UL 746
Volume Resistivity	1.0E+15 ohms·cm	ASTM D257 IEC 60093
Arc Resistance	PLC 6	ASTM D495

Form Number: E80017-250496

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Report Date: 1982-06-03
Last Revised: 2016-01-04

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Thermal	Value	Test Method
RTI Elec		UL 746
1.0 mm	90.0 °C	
1.5 mm	90.0 °C	
3.0 mm	90.0 °C	
RTI Imp		UL 746
1.0 mm	65.0 °C	
1.5 mm	65.0 °C	
3.0 mm	70.0 °C	
RTI Str		UL 746
1.0 mm	90.0 °C	
1.5 mm	90.0 °C	
3.0 mm	95.0 °C	
Physical	**Value**	**Test Method**
Dimensional Stability	0.0 %	ASTM D1042 ISO 2796
Outdoor Suitability	f1	UL 746C

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