



Component - Plastics

File Number: E177491

TOPAS ADVANCED POLYMERS INC
SUITE 170, 7300 TURFWAY ROAD, FLORENCE KY 41042



TOPAS: 5013L-10
Olefin, pellets, cyclic copolymer

Flammability	Value	Test Method
Flame Rating		UL 94
0.75 mm, NC	HB	
1.5 mm, NC	HB	
3.0 mm, NC	HB	
Flammability Classification		IEC 60695-11-10, -20
3.0 mm, NC	HB40	
0.75 mm, NC	HB75	
1.5 mm, NC	HB75	
Glow Wire Flammability Index		IEC 60695-2-12
0.75 mm	775 °C	
1.5 mm	775 °C	
3.0 mm	775 °C	
Glow Wire Ignition Temperature		IEC 60695-2-13
0.75 mm	750 °C	
1.5 mm	750 °C	
3.0 mm	750 °C	
Electrical	Value	Test Method
Hot-wire Ignition (HWI)		UL 746
0.75 mm	PLC 5	
1.5 mm	PLC 4	
3.0 mm	PLC 3	
High Amp Arc Ignition (HAI)		UL 746
0.75 mm	PLC 0	
1.5 mm	PLC 0	
3.0 mm	PLC 0	
Comparative Tracking Index (CTI)	PLC 0	UL 746
Dielectric Strength	32 kV/mm	ASTM D149
Volume Resistivity	1.0E+16 ohms·cm	ASTM D257
Volume Resistivity	1.0E+16 ohms·cm	IEC 60093
Arc Resistance	PLC 5	ASTM D495
Electric Strength	32 kV/mm	IEC 60243-1
Thermal	Value	Test Method
RTI Elec		UL 746
0.75 mm	50.0 °C	
1.5 mm	50.0 °C	
3.0 mm	50.0 °C	
RTI Imp		UL 746
0.75 mm	50.0 °C	
1.5 mm	50.0 °C	
3.0 mm	50.0 °C	

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Thermal	Value	Test Method
RTI Str		UL 746
0.75 mm	50.0 °C	
1.5 mm	50.0 °C	
3.0 mm	50.0 °C	
Physical	Value	Test Method
Dimensional Stability	0.0 %	ASTM D1042
Dimensional Stability	0.0 %	ISO 2796

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