



Component - Plastics

File Number: E526464

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ECOTRAN E1040G(-)

Polyphenylene Sulfide (PPS), pellets

(-) - Maybe be replaced by one, two, three or four numbers and/or letters.

Flammability	Value	Test Method
Flame Rating		UL 94
0.37 mm, ALL	V-0	IEC 60695-11-10, -20
0.70 mm, ALL	V-0	
1.0 mm, ALL	V-0	
1.5 mm, ALL	V-0	
3.0 mm, ALL	V-0	
Glow Wire Flammability Index		IEC 60695-2-12
0.70 mm	960 °C	
1.0 mm	960 °C	
3.0 mm	960 °C	
Glow Wire Ignition Temperature		IEC 60695-2-13
0.70 mm	850 °C	
1.0 mm	850 °C	
3.0 mm	875 °C	
Electrical	Value	Test Method
Hot-wire Ignition (HWI)		UL 746A
0.37 mm	PLC 4	
0.70 mm	PLC 4	
1.0 mm	PLC 4	
1.5 mm	PLC 3	
3.0 mm	PLC 1	
High Amp Arc Ignition (HAI)		UL 746A
0.37 mm	PLC 0	
0.70 mm	PLC 0	
1.0 mm	PLC 0	
1.5 mm	PLC 0	
3.0 mm	PLC 0	
Comparative Tracking Index (CTI)	PLC 3	UL 746A
Dielectric Strength	17 kV/mm	ASTM D149
High Voltage Arc Tracking Rate (HVTR)	PLC 4	UL 746A
Volume Resistivity	1.0E+14 ohms·cm	ASTM D257 IEC 60093
Arc Resistance	PLC 7	ASTM D495
Comparative Tracking Index	150 V	IEC 60112

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Thermal	Value	Test Method
RTI Elec		UL 746B
0.37 mm	130 °C	
0.70 mm	130 °C	
1.0 mm	130 °C	
1.5 mm	130 °C	
3.0 mm	130 °C	
RTI Imp		UL 746B
0.37 mm	130 °C	
0.70 mm	130 °C	
1.0 mm	130 °C	
1.5 mm	130 °C	
3.0 mm	130 °C	
RTI Str		UL 746B
0.37 mm	130 °C	
0.70 mm	130 °C	
1.0 mm	130 °C	
1.5 mm	130 °C	
3.0 mm	130 °C	
Ball Pressure Test (250°C)	Pass	IEC 60695-10-2