



Component - Plastics

File Number: E82268

ASAHI KASEI CORPORATION

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Xyron: 644Z(c)

Modified Polyphenylene Ether Resin (m-PPE), pellets

(c) - The IEC CTI Result is 225(175), whereas 225V and 175V are the highest voltages which do not cause tracking within 50 drops and 100 drops, respectively.

Flammability	Value	Test Method
Flame Rating		UL 94
0.75 mm, BK	V-0	
1.0 mm, ALL	V-0	
1.5 mm, ALL	V-0	
3.0 mm, ALL	V-0	
2.0 mm, BK	5VA	
2.5 mm, BK	5VA	
Flammability Classification		IEC 60695-11-10, -20
0.75 mm, BK	V-0	
1.0 mm, ALL	V-0	
1.5 mm, ALL	V-0	
3.0 mm, ALL	V-0	
2.0 mm, BK	5VA	
2.5 mm, BK	5VA	
Electrical	Value	Test Method
Hot-wire Ignition (HWI)		UL 746
0.75 mm	PLC 2	
1.0 mm	PLC 2	
1.5 mm	PLC 2	
2.0 mm	PLC 2	
2.5 mm	PLC 2	
3.0 mm	PLC 1	
High Amp Arc Ignition (HAI)		UL 746
0.75 mm	PLC 0	
1.0 mm	PLC 0	
1.5 mm	PLC 0	
2.0 mm	PLC 0	
2.5 mm	PLC 0	
3.0 mm	PLC 0	
Comparative Tracking Index (CTI)	PLC 2	UL 746
High Voltage Arc Tracking Rate (HVTR)	PLC 4	UL 746
Inclined-Plane Tracking (1.5 kV)	120 min	ASTM D2303
Arc Resistance	PLC 6	ASTM D495
Comparative Tracking Index (3.00 mm)	225 V	IEC 60112

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Thermal	Value	Test Method
RTI Elec		UL 746
1.0 mm	125 °C	
1.5 mm	125 °C	
2.0 mm	125 °C	
2.5 mm	125 °C	
3.0 mm	125 °C	
RTI Imp		UL 746
1.0 mm	125 °C	
1.5 mm	125 °C	
2.0 mm	125 °C	
2.5 mm	125 °C	
3.0 mm	125 °C	
RTI Str		UL 746
1.0 mm	125 °C	
1.5 mm	125 °C	
2.0 mm	125 °C	
2.5 mm	125 °C	
3.0 mm	125 °C	

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