



Component - Plastics

File Number: E82268

ASAHI KASEI CORPORATION

1-3-1 YAKO, KAWASAKI-KU, KAWASAKI-SHI KANAGAWA 210-0863 JP



Xyron: 600Z, 640Z

Modified Polyphenylene Ether Resin (m-PPE), pellets, modified

Flammability	Value	Test Method
Flame Rating		UL 94
0.50 mm, BK	V-0	
1.5 mm, ALL	V-0	
3.0 mm, ALL	V-0	
6.0 mm, ALL	V-0	
2.0 mm, BK	5VA	
2.5 mm, BK	5VA	
Flammability Classification		IEC 60695-11-10, -20
0.50 mm, BK	V-0	
1.5 mm, ALL	V-0	
3.0 mm, ALL	V-0	
6.0 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 0	
1.5 mm	PLC 0	
3.0 mm	PLC 0	
6.0 mm	PLC 0	
High Amp Arc Ignition (HAI)		UL 746
0.75 mm	PLC 0	
1.5 mm	PLC 1	
3.0 mm	PLC 1	
6.0 mm	PLC 1	
Comparative Tracking Index (CTI)	PLC 0	UL 746
Dielectric Strength	31 kV/mm	ASTM D149
High Voltage Arc Tracking Rate (HVTR)	PLC 4	UL 746
Volume Resistivity	1.0E+17 ohms·cm	ASTM D257
Volume Resistivity	1.0E+17 ohms·cm	IEC 60093
Arc Resistance	PLC 6	ASTM D495
Electric Strength	31 kV/mm	IEC 60243-1
Thermal	Value	Test Method
RTI Elec		UL 746
0.50 mm	50.0 °C	
0.75 mm	110 °C	
1.5 mm	110 °C	
2.0 mm	110 °C	
2.5 mm	110 °C	
3.0 mm	110 °C	
6.0 mm	110 °C	

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Thermal	Value	Test Method
RTI Imp		UL 746
0.50 mm	50.0 °C	
0.75 mm	90.0 °C	
1.5 mm	95.0 °C	
2.0 mm	95.0 °C	
2.5 mm	95.0 °C	
3.0 mm	100 °C	
6.0 mm	100 °C	
RTI Str		UL 746
0.50 mm	50.0 °C	
0.75 mm	105 °C	
1.5 mm	110 °C	
2.0 mm	110 °C	
2.5 mm	110 °C	
3.0 mm	110 °C	
6.0 mm	110 °C	
Physical	Value	Test Method
Dimensional Stability	0.0 %	ASTM D1042
Dimensional Stability	0.0 %	ISO 2796

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