



Component - Plastics

File Number: E82268

ASAHI KASEI CORPORATION

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



P200Z(f1), 220Z(f1), 240Z(f1)

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

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

Flammability	Value	Test Method
Flame Rating		UL 94
0.59 mm, BK	V-2	
1.5 mm, BK	V-0	
3.0 mm, BK	V-0	
6.0 mm, BK	V-0	
2.5 mm, BK	5VA	
Flammability Classification		IEC 60695-11-10, -20
1.5 mm, BK	V-0	
3.0 mm, BK	V-0	
6.0 mm, BK	V-0	
0.59 mm, BK	V-2	
2.5 mm, BK	5VA	
Electrical	Value	Test Method
Hot-wire Ignition (HWI)		UL 746
1.5 mm	PLC 1	
2.5 mm	PLC 2	
3.0 mm	PLC 2	
6.0 mm	PLC 1	
High Amp Arc Ignition (HAI)		UL 746
1.5 mm	PLC 0	
2.5 mm	PLC 0	
3.0 mm	PLC 0	
6.0 mm	PLC 0	
Comparative Tracking Index (CTI)	PLC 3	UL 746
Dielectric Strength	25 kV/mm	ASTM D149
High Voltage Arc Tracking Rate (HVTR)	PLC 0	UL 746
Volume Resistivity	1.0E+16 ohms·cm	ASTM D257
Volume Resistivity	1.0E+16 ohms·cm	IEC 60093
Arc Resistance	PLC 7	ASTM D495
Electric Strength	25 kV/mm	IEC 60243-1
Thermal	Value	Test Method
RTI Elec		UL 746
0.59 mm	100 °C	
1.5 mm	100 °C	
2.5 mm	100 °C	
3.0 mm	100 °C	
6.0 mm	100 °C	

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Thermal	Value	Test Method
RTI Imp		UL 746
0.59 mm	90.0 °C	
1.5 mm	90.0 °C	
2.5 mm	90.0 °C	
3.0 mm	90.0 °C	
6.0 mm	90.0 °C	
RTI Str		UL 746
0.59 mm	100 °C	
1.5 mm	100 °C	
2.5 mm	100 °C	
3.0 mm	100 °C	
6.0 mm	100 °C	
Physical	Value	Test Method
Dimensional Stability	0.0 %	ASTM D1042
Dimensional Stability	0.0 %	ISO 2796
Outdoor Suitability	f1	UL 746C

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