



Component - Plastics

File Number: E56070

CHI MEI CORPORATION

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WONDERLOY: PC-545(Y)

Polycarbonate/Acrylonitrile Butadiene Styrene (PC/ABS), pellets

(Y) - Optional suffix; may be suffixed with one or two alphabet but except H, unconcerned with formula or constituent changed.

Flammability	Value	Test Method
Flame Rating		UL 94
1.2 mm, ALL	V-0	IEC 60695-11-10, -20
1.5 mm, ALL	V-0	
2.5 mm, ALL	V-0, 5VA	
3.0 mm, ALL	V-0, 5VA	
Glow Wire Flammability Index		IEC 60695-2-12
1.5 mm	960 °C	
3.0 mm	960 °C	
Glow Wire Ignition Temperature		IEC 60695-2-13
1.5 mm	800 °C	
3.0 mm	800 °C	
Electrical	Value	Test Method
Hot-wire Ignition (HWI)		UL 746A
1.2 mm	PLC 4	
1.5 mm	PLC 4	
2.5 mm	PLC 4	
3.0 mm	PLC 4	
High Amp Arc Ignition (HAI)		UL 746A
1.2 mm	PLC 2	
1.5 mm	PLC 2	
2.5 mm	PLC 2	
3.0 mm	PLC 2	
Comparative Tracking Index (CTI)	PLC 3	UL 746A
Dielectric Strength	31 kV/mm	ASTM D149
High Voltage Arc Tracking Rate (HVTR)	PLC 2	UL 746A
Volume Resistivity	1.0E+14 ohms·cm	ASTM D257 IEC 60093
Arc Resistance	PLC 5	ASTM D495
Thermal	Value	Test Method
RTI Elec		UL 746B
1.2 mm	60.0 °C	
1.5 mm	95.0 °C	
2.5 mm	95.0 °C	
3.0 mm	95.0 °C	

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Thermal	Value	Test Method
RTI Imp		UL 746B
1.2 mm	60.0 °C	
1.5 mm	90.0 °C	
2.5 mm	90.0 °C	
3.0 mm	90.0 °C	
RTI Str		UL 746B
1.2 mm	60.0 °C	
1.5 mm	95.0 °C	
2.5 mm	95.0 °C	
3.0 mm	95.0 °C	
Ball Pressure Test (110°C)	Pass	IEC 60695-10-2
Physical	Value	Test Method
Dimensional Change	0.0 %	ASTM D1042 ISO 2796

ANSI/UL 94 small-scale test data does not pertain to building materials, furnishings and related contents. ANSI/UL 94 small-scale test data is intended solely for determining the flammability of plastic materials used in the components and parts of end-devices and appliances, where the acceptability of the combination is determined by UL.

