



Component - Plastics

File Number: E56070

CHI MEI CORPORATION

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WONDERLOY: PC-510(+)(a)

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

(+) - Indicate 0~0.5% acid scavengers.

(a) - Ball pressure temperature is in accordance with IEC 60695-10-2 Method B.

Flammability	Value	Test Method
Flame Rating		
1.0 mm, ALL	HB	UL 94
1.5 mm, ALL	V-0	UL 94 IEC 60695-11-10, -20
2.1 mm, ALL	V-0, 5VB	UL 94 IEC 60695-11-10, -20
2.5 mm, ALL	V-0, 5VB	UL 94 IEC 60695-11-10, -20
3.0 mm, ALL	V-0, 5VA	UL 94 IEC 60695-11-10, -20
1.0 mm, ALL	HB75	IEC 60695-11-10, -20
Glow Wire Flammability Index		IEC 60695-2-12
1.5 mm	875 °C	
3.0 mm	960 °C	
Glow Wire Ignition Temperature		IEC 60695-2-13
1.5 mm	750 °C	
3.0 mm	750 °C	
Electrical	Value	Test Method
Hot-wire Ignition (HWI)		UL 746A
1.5 mm	PLC 4	
2.1 mm	PLC 4	
2.5 mm	PLC 4	
3.0 mm	PLC 3	
High Amp Arc Ignition (HAI)		UL 746A
1.5 mm	PLC 0	
2.1 mm	PLC 0	
2.5 mm	PLC 0	
3.0 mm	PLC 0	
Comparative Tracking Index (CTI)	PLC 0	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 6	ASTM D495

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Thermal	Value	Test Method
RTI Elec		UL 746B
1.0 mm	60.0 °C	
1.5 mm	60.0 °C	
2.1 mm	60.0 °C	
2.5 mm	60.0 °C	
3.0 mm	60.0 °C	
RTI Imp		UL 746B
1.0 mm	60.0 °C	
1.5 mm	60.0 °C	
2.1 mm	60.0 °C	
2.5 mm	60.0 °C	
3.0 mm	60.0 °C	
RTI Str		UL 746B
1.0 mm	60.0 °C	
1.5 mm	60.0 °C	
2.1 mm	60.0 °C	
2.5 mm	60.0 °C	
3.0 mm	60.0 °C	
Ball Pressure Test (75°C)	Pass	IEC 60695-10-2
Physical	Value	Test Method
Dimensional Change	0.0 %	ASTM D1042 ISO 2796

