



Model PC-510(a)
File Number: E56070



COMPANY

CHI MEI CORPORATION

No 398 Sec 1 Zhongzheng Rd
Rende District
Tainan City, 717010 Taiwan

MODEL INFO

PC-510(a)
Polycarbonate/Acrylonitrile Butadiene Styrene (PC/ABS) "WONDERLOY", furnished as pellets
(a) – Ball pressure temperature is in accordance with IEC 60695-10-2 Method B.

FLAMMABILITY PROPERTIES	VALUE	TEST METHOD
Flammability		ANSI/UL 94
1.0 mm, Color: ALL	HB	
1.5 mm, Color: ALL	V-0	
2.1 mm, Color: ALL	5VB V-0	
2.5 mm, Color: ALL	5VB V-0	
3.0 mm, Color: ALL	5VA V-0	
ISO/IEC FLAMMABILITY PROPERTIES	VALUE	TEST METHOD
Flammability		IEC 60695-11-10
1.0 mm, Color: ALL	HB75	
1.5 mm, Color: ALL	V-0	
2.1 mm, Color: ALL	V-0	
2.5 mm, Color: ALL	V-0	
3.0 mm, Color: ALL	V-0	

Flammability		IEC 60695-11-20
2.1 mm, Color: ALL	5VB	
2.5 mm, Color: ALL	5VB	
3.0 mm, Color: ALL	5VA	
Glow Wire Ignition Temperature (GWIT)		IEC 60695-2-13
1.5 mm	750 °C	
3.0 mm	750 °C	
Glow Wire Flammability Index (GWFI)		IEC 60695-2-12
1.5 mm	875 °C	
3.0 mm	960 °C	
ELECTRICAL PROPERTIES	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 2	UL 746A
Dielectric Strength	31 kV/mm	ASTM D149
High Voltage Arc Tracking Rate (HVTR)	PLC 2	
Volume Resistivity	1.0E+14 ohms-cm	ASTM D257/IEC 60093
High Voltage, Low Current Arc Resistance	PLC 6	
THERMAL PROPERTIES	VALUE	TEST METHOD
Relative Thermal Index - Electrical Strength		UL 746B

1.0 mm	60 °C	
1.5 mm	60 °C	
2.1 mm	60 °C	
2.5 mm	60 °C	
3.0 mm	60 °C	
Relative Thermal Index - Mechanical Impact		UL 746B
1.0 mm	60 °C	
1.5 mm	60 °C	
2.1 mm	60 °C	
2.5 mm	60 °C	
3.0 mm	60 °C	
Relative Thermal Index - Mechanical Strength		UL 746B
1.0 mm	60 °C	
1.5 mm	60 °C	
2.1 mm	60 °C	
2.5 mm	60 °C	
3.0 mm	60 °C	
Ball Pressure Temperature		75 °C
PHYSICAL PROPERTIES	VALUE	TEST METHOD
Dimensional Change	0.0 %	ASTM D1042/ISO 2796

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