



Model PC-540(Y)(a)
File Number: E56070



COMPANY

CHI MEI CORPORATION

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MODEL INFO

PC-540(Y)(a)
Polycarbonate/Acrylonitrile Butadiene Styrene (PC/ABS) "WONDERLOY", furnished as pellets
(Y) – Optional suffix; may be suffixed with one or two alphabet but except H, unconcerned with formula or constituent changed.
(a) – Ball pressure temperature is in accordance with IEC 60695-10-2 Method B.

FLAMMABILITY PROPERTIES	VALUE	TEST METHOD
Flammability		ANSI/UL 94
0.75 mm, Color: ALL	HB	
0.8 mm, Color: ALL	V-2	
1.5 mm, Color: ALL	V-0	
2.0 mm, Color: ALL	5VB V-0	
2.5 mm, Color: ALL	5VA V-0	
3.0 mm, Color: ALL	5VA V-0	
ISO/IEC FLAMMABILITY PROPERTIES	VALUE	TEST METHOD
Flammability		IEC 60695-11-10
0.75 mm, Color: ALL	HB75	
0.8 mm, Color: ALL	V-2	
1.5 mm, Color: ALL	V-0	

2.0 mm, Color: ALL	V-0	
2.5 mm, Color: ALL	V-0	
3.0 mm, Color: ALL	V-0	
Flammability		IEC 60695-11-20
2.0 mm, Color: ALL	5VB	
2.5 mm, Color: ALL	5VA	
3.0 mm, Color: ALL	5VA	
Glow Wire Ignition Temperature (GWIT)		IEC 60695-2-13
1.5 mm	800 °C	
3.0 mm	750 °C	
Glow Wire Flammability Index (GWFI)		IEC 60695-2-12
1.5 mm	960 °C	
3.0 mm	960 °C	
ELECTRICAL PROPERTIES	VALUE	TEST METHOD
Hot-wire Ignition (HWI)		UL 746A
0.75 mm	PLC 3	
0.8 mm	PLC 3	
1.5 mm	PLC 3	
2.0 mm	PLC 3	
2.5 mm	PLC 3	
3.0 mm	PLC 3	
High Amp Arc Ignition (HAI)		UL 746A
0.75 mm	PLC 3	
0.8 mm	PLC 3	
1.5 mm	PLC 3	
2.0 mm	PLC 3	
2.5 mm	PLC 3	
3.0 mm	PLC 2	
Comparative Tracking Index (CTI)	PLC 2	UL 746A
Dielectric Strength	32 kV/mm	ASTM D149

High Voltage Arc Tracking Rate (HVTR)	PLC 3	
Volume Resistivity	1.0E+14 ohms-cm	ASTM D257/IEC 60093
High Voltage, Low Current Arc Resistance	PLC 5	
THERMAL PROPERTIES	VALUE	TEST METHOD
Relative Thermal Index - Electrical Strength		UL 746B
0.75 mm	60 °C	
0.8 mm	60 °C	
1.5 mm	85 °C	
2.0 mm	85 °C	
2.5 mm	85 °C	
3.0 mm	85 °C	
Relative Thermal Index - Mechanical Impact		UL 746B
0.75 mm	60 °C	
0.8 mm	60 °C	
1.5 mm	80 °C	
2.0 mm	80 °C	
2.5 mm	80 °C	
3.0 mm	80 °C	
Relative Thermal Index - Mechanical Strength		UL 746B
0.75 mm	60 °C	
0.8 mm	60 °C	
1.5 mm	80 °C	
2.0 mm	80 °C	
2.5 mm	80 °C	
3.0 mm	80 °C	
Ball Pressure Temperature	90 °C	
PHYSICAL PROPERTIES	VALUE	TEST METHOD
Dimensional Change	0.0 %	ASTM D1042/ISO 2796

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