



PC-540 G(@@)(a)

File Number: E56070

Yellow Card® 

COMPANY

CHI MEI CORPORATION

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

MODEL INFO

WONDERLOY: PC-540 G(@@)(a)

Polycarbonate/Acrylonitrile Butadiene Styrene (PC/ABS), furnished as pellets
(a) – Ball pressure temperature is in accordance with IEC 60695-10-2 Method B.
(@@) – Replaced by two numeric , unconcerned with formula or constituent changed.

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

2023/3/2	PC-540 G(@@)(a) UL Product iQ	
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	

2023/3/2	PC-540 G(@@)(a) UL Product iQ	
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	

2023/3/2

PC-540 G(@@)(a) | UL Product iQ

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

Report Date: 2001-01-12

Revision Date: 2020-06-09



The appearance of a company's name or product in this database does not in itself assure that products so identified have been manufactured under UL Solutions' Follow - Up Service. Only those products bearing the UL Mark should be considered to be Certified and covered under UL Solutions' Follow - Up Service. Always look for the Mark on the product.

UL Solutions permits the reproduction of the material contained in Product iQ subject to the following conditions: 1. The Guide Information, Assemblies, Constructions, Designs, Systems, and/or Certifications (files) must be presented in their entirety and in a non-misleading manner, without any manipulation of the data (or drawings). 2. The statement "Reprinted from Product iQ with permission from UL Solutions" must appear adjacent to the extracted material. In addition, the reprinted material must include a copyright notice in the following format: "©2023 UL LLC."