

Model PC-616LS(f1)(a)

File Number: E56070



COMPANY

CHI MEI CORPORATION
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MODEL INFO

PC-616LS(f1)(a)
Polycarbonate (PC) "WONDERLITE", furnished as pellets
(f1) – Suitable for outdoor use with respect to exposure to Ultraviolet Light, Water Exposure and Immersion in accordance with UL 746C.
(a) – Ball pressure temperature is in accordance with IEC 60695-10-2 Method B.

FLAMMABILITY PROPERTIES	VALUE	TEST METHOD
Flammability		ANSI/UL 94
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	
ISO/IEC FLAMMABILITY PROPERTIES	VALUE	TEST METHOD
Flammability		IEC 60695-11-10
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	
Glow Wire Ignition Temperature (GWIT)		IEC 60695-2-13
1.5 mm	875 °C	
3.0 mm	875 °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
1.5 mm	PLC 3		
2.0 mm	PLC 2		
2.5 mm	PLC 2		
3.0 mm	PLC 0		
High Amp Arc Ignition (HAI)			UL 746A
1.5 mm	PLC 1		
2.0 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
Volume Resistivity		1.0E+14 ohms-cm	ASTM D257/IEC 60093
THERMAL PROPERTIES		VALUE	TEST METHOD
Relative Thermal Index - Electrical Strength			UL 746B
1.5 mm	130 °C		
2.0 mm	130 °C		
2.5 mm	130 °C		
3.0 mm	130 °C		
Relative Thermal Index - Mechanical Impact			UL 746B
1.5 mm	120 °C		
2.0 mm	120 °C		
2.5 mm	120 °C		
3.0 mm	120 °C		

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Relative Thermal Index - Mechanical Strength		UL 746B
1.5 mm	130 °C	
2.0 mm	130 °C	
2.5 mm	130 °C	
3.0 mm	130 °C	
Ball Pressure Temperature	135 °C	
PHYSICAL PROPERTIES	VALUE	TEST METHOD
Dimensional Change	0.0 %	ASTM D1042/ISO 2796
UV Exposure & Water Immersion	f1	UL 746C

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