UL Product iQ®

Model PC-110N(f1)(a), PC-6610(f1)(a)

File Number: E56070

Yellow Card™

ALSO CERTIFIED TO IEC REQUIREMENTS

COMPANY

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MODEL INFO

PC-110N(f1)(a), PC-6610(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	
3.0 mm, Color: ALL	5VA V-0	

ISO/IEC FLAMMABILITY PROPERTIES	VALUE	TEST METHOD
Flammability		IEC 60695-11-10
1.5 mm, Color: ALL	V-0	
3.0 mm, Color: ALL	V-0	
Flammability (3.0 mm, Color: ALL)	5VA	IEC 60695-11-20
Glow Wire Ignition Temperature (GWIT)		IEC 60695-2-13
1.5 mm	825 °C	
3.0 mm	850 °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	
3.0 mm	PLC 3	
High Amp Arc Ignition (HAI)		UL 746A
1.5 mm	PLC 1	
3.0 mm	PLC 1	
Comparative Tracking Index (CTI)	PLC 2	UL 746A
Dielectric Strength	30 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
1.5 mm	130 °C	
3.0 mm	130 °C	
Relative Thermal Index - Mechanical Impact		UL 746B
1.5 mm	115 °C	
3.0 mm	120 °C	
Relative Thermal Index - Mechanical Strength		UL 746B
1.5 mm	125 °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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