

Model PC-6715VT(f1)(a)

File Number: E56070



COMPANY

CHI MEI CORPORATION
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MODEL INFO

PC-6715VT(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 |

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