



Component - Plastics

File Number: E56070

CHI MEI CORPORATION

59-1 SAN CHIA, JEN TE, TAINAN 717 TW



Wonderlite: PC-115U(f1)

Polycarbonate (PC), pellets

(f1) - Suitable for outdoor use with respect to exposure to Ultraviolet Light, Water Exposure and Immersion in accordance with UL 746C.

| Flammability | Value | Test Method |
|---------------------------------------|--------|-------------------------------|
| Flame Rating | | |
| 3.00 mm, ALL | HB | UL 94 |
| 0.750 mm, ALL | V-2 | UL 94 IEC 60695-11-10, -20 |
| 1.50 to 1.70 mm, ALL | V-2 | UL 94 IEC 60695-11-10, -20 |
| 3.00 mm, ALL | HB40 | IEC 60695-11-10, -20 |
| Electrical | Value | Test Method |
| Hot-wire Ignition (HWI) | | UL 746 |
| 0.750 mm | PLC 4 | |
| 1.50 to 1.70 mm | PLC 2 | |
| 3.00 mm | PLC 2 | |
| High Amp Arc Ignition (HAI) | | UL 746 |
| 0.750 mm | PLC 1 | |
| 1.50 to 1.70 mm | PLC 4 | |
| 3.00 mm | PLC 3 | |
| Comparative Tracking Index (CTI) | PLC 2 | UL 746 |
| High Voltage Arc Tracking Rate (HVTR) | PLC 2 | UL 746 |
| Arc Resistance | PLC 6 | ASTM D495 |
| Thermal | Value | Test Method |
| RTI Elec | | UL 746 |
| 0.750 mm | 120 °C | |
| 1.50 to 1.70 mm | 120 °C | |
| 3.00 mm | 120 °C | |
| RTI Imp | | UL 746 |
| 0.750 mm | 105 °C | |
| 1.50 to 1.70 mm | 105 °C | |
| 3.00 mm | 105 °C | |
| RTI Str | | UL 746 |
| 0.750 mm | 120 °C | |
| 1.50 to 1.70 mm | 120 °C | |
| 3.00 mm | 120 °C | |
| Physical | Value | Test Method |
| Outdoor Suitability | f1 | UL 746C |

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