



Component - Plastics

File Number: E56070

CHI MEI CORPORATION

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



Wonderlite: PC-110U(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 | 125 °C | |
| 1.50 to 1.70 mm | 125 °C | |
| 3.00 mm | 125 °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 | 125 °C | |
| 1.50 to 1.70 mm | 125 °C | |
| 3.00 mm | 125 °C | |
| Physical | Value | Test Method |
| Outdoor Suitability | f1 | UL 746C |

Component - Plastics

File Number: E56070



Notice of Disclaimer

By accessing this Yellow Card data information sheet and the database from which this information was generated (the "Yellow Card"), the user acknowledges and accepts the terms and conditions upon which this Yellow Card is made available. This Yellow Card, the database from which it was generated, and all related materials, support, and services, are made available by UL for use only by permission and "as is", without any representation or warranty of any kind, express or implied, including but not limited to any implied warranties of merchantability, fitness for a particular purpose or that the products identified in this Yellow Card will satisfy the user's requirements. UL cannot and does not warrant that the data contained in this Yellow Card is current, accurate, or complete. The user must independently confirm the conformance of any product to the applicable standards or requirements with the manufacturer of that product. Permission to access this Yellow Card may be withdrawn at any time by UL in its sole discretion. The identification of products and companies on this Yellow Card does not in any way imply endorsement of those products or companies by UL. UL does not assume and expressly disclaims, liability to any person for any loss or damage (including lost profits, lost savings, or any indirect, special, incidental, consequential or punitive damages whether or not UL has been advised of the possibility of such damages) arising out of, or in connection with, the use of this Yellow Card regardless of the cause or causes of such loss or damage.