



Model CM-205 (X)(f1)
File Number: E56070



COMPANY

CHI MEI CORPORATION
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MODEL INFO

CM-205 (X)(f1)
Polymethyl Methacrylate (PMMA) ""ACRYREX" for pellets or "ACRYPOLY" for sheets", furnished as pellets or sheets
(X) – Optional suffix except suffix "B"; may be used to denote usage of different quantities of lubricant.
(f1) – Suitable for outdoor use with respect to exposure to Ultraviolet Light, Water Exposure and Immersion in accordance with UL 746C.

| FLAMMABILITY PROPERTIES | VALUE | TEST METHOD |
|---------------------------------|-------|-----------------|
| Flammability | | ANSI/UL 94 |
| 1.5 mm, Color: ALL | HB | |
| 3.0 mm, Color: ALL | HB | |
| 8.0 mm, Color: NC | HB | |
| ISO/IEC FLAMMABILITY PROPERTIES | VALUE | TEST METHOD |
| Flammability | | IEC 60695-11-10 |
| 1.5 mm, Color: ALL | HB75 | |
| 3.0 mm, Color: ALL | HB40 | |
| 8.0 mm, Color: NC | HB40 | |
| ELECTRICAL PROPERTIES | VALUE | TEST METHOD |
| Hot-wire Ignition (HWI) | | UL 746A |
| 1.5 mm | PLC 4 | |
| 3.0 mm | PLC 4 | |

| | | |
|--|-------|-------------|
| 8.0 mm | PLC 1 | |
| High Amp Arc Ignition (HAI) | | UL 746A |
| 1.5 mm | PLC 0 | |
| 3.0 mm | PLC 2 | |
| 8.0 mm | PLC 2 | |
| Comparative Tracking Index (CTI) | PLC 1 | UL 746A |
| High Voltage Arc Tracking Rate (HVTR) | PLC 0 | |
| High Voltage, Low Current Arc Resistance | PLC 6 | |
| THERMAL PROPERTIES | VALUE | TEST METHOD |
| Relative Thermal Index - Electrical Strength | | UL 746B |
| 1.5 mm | 95 °C | |
| 3.0 mm | 95 °C | |
| 8.0 mm | 95 °C | |
| Relative Thermal Index - Mechanical Impact | | UL 746B |
| 1.5 mm | 95 °C | |
| 3.0 mm | 95 °C | |
| 8.0 mm | 95 °C | |
| Relative Thermal Index - Mechanical Strength | | UL 746B |
| 1.5 mm | 95 °C | |
| 3.0 mm | 95 °C | |
| 8.0 mm | 95 °C | |
| PHYSICAL PROPERTIES | VALUE | TEST METHOD |
| UV Exposure & Water Immersion | f1 | UL 746C |

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