UL Product iQ®

Model CM-205 (X)(f1)

File Number: E56070

Yellow Card™

c UL us ALSO CERTIFIED TO IEC REQUIREMENTS

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

Report Date: 1982-06-22