

ACRYREX® CM-205G

Polymethyl Methacrylate Acrylic

CHI MEI CORPORATION

Message:

ACRYREX® CM-205G is a Polymethyl Methacrylate Acrylic product. It is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America.

Characteristics include:

Flame Rated

RoHS Compliant

General Information			
UL YellowCard	E56070-245759		
RoHS Compliance	RoHS Compliant		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.19	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/3.8 kg)	1.8	g/10 min	ASTM D1238
Water Absorption (25°C, 24 hr)	0.30	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (M-Scale, 6.35 mm)	97		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (3.18 mm)	70.6	MPa	ASTM D638
Tensile Elongation ² (Break, 3.18 mm)	5.0	%	ASTM D638
Flexural Strength ³ (6.35 mm)	108	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 6.35 mm)	20	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load ⁴ (1.8 MPa, Unannealed, 6.35 mm)	100	°C	ASTM D648
Vicat Softening Temperature	113	°C	ASTM D1525 ⁵
Flammability	Nominal Value		Test Method
Flame Rating (1.59 mm)	HB		UL 94
Optical	Nominal Value	Unit	Test Method
Transmittance (3180 μm)	92.0	%	ASTM D1003
NOTE			
1.	6.0 mm/min		
2.	6.0 mm/min		
3.	2.8 mm/min		
4.	120°C/hr		
5.	Rate A (50°C/h)		

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