

ACRYREX® CM-205M

Polymethyl Methacrylate Acrylic

CHI MEI CORPORATION

Message:

ACRYREX®CM-205M is a polymethyl methacrylate-acrylic acid product. It is available in North America, Africa and the Middle East, Latin America, Europe or Asia Pacific.

Features include:

flame retardant/rated flame

ROHS certification

General Information			
UL YellowCard	E194560-624340		
RoHS Compliance	RoHS compliance		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	1.19	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/3.8 kg)	3.0	g/10 min	ISO 1133
Water Absorption (23°C, 24 hr)	0.30	%	ISO 62
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (M-Scale)	97		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress	7.06	MPa	ISO 527-2/5
Tensile Strain (Break)	7.0	%	ISO 527-2/5
Flexural Stress ¹	9.51	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	2.0	kJ/m ²	ISO 180/1A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Annealed)	99.0	°C	ISO 75-2/A
Vicat Softening Temperature	111	°C	ISO 306/A50
Flammability	Nominal Value		Test Method
Flame Rating (1.6 mm)	HB		UL 94
Optical	Nominal Value	Unit	Test Method
Transmittance (3000 μm)	92.0	%	ISO 13468
NOTE			

1. 2.0 mm/min

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