



ACRYREX® CM-205M

CHI MEI CORPORATION - Polymethyl Methacrylate Acrylic

Sunday, November 3, 2019

General Information

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
RoHS Compliance	• RoHS Compliant		

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density (73°F)	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 (24 hr, 73°F)	0.30	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress	1020	psi	ISO 527-2/5
Tensile Strain (Break)	7.0	%	ISO 527-2/5
Flexural Stress ²	1380	psi	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength	0.95	ft-lb/in ²	ISO 180/1A
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (M-Scale)	97		ISO 2039-2
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (264 psi, Annealed)	210	°F	ISO 75-2/A
Vicat Softening Temperature	232	°F	ISO 306/A50
Flammability	Nominal Value	Unit	Test Method
Flame Rating (0.06 in)	HB		UL 94
Optical	Nominal Value	Unit	Test Method
Transmittance (118 mil)	92.0	%	ISO 13468

Notes

¹ Typical properties: these are not to be construed as specifications.

² 0.079 in/min