

ACRYREX® CM-205

CHI MEI CORPORATION - *Polymethyl Methacrylate Acrylic*

General Information

Product Description

High viscosity

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Features	• High Viscosity		
RoHS Compliance	• RoHS Compliant		
Resin ID (ISO 1043)	• >PMMA<		

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density (73°F)	1.19	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (230°C/3.8 kg)	1.9	cm ³ /10min	ISO 1133
Molding Shrinkage	0.20 to 0.60	%	ISO 294-4
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	10200	psi	ISO 527-2/5
Tensile Stress (Break)	10200	psi	ISO 527-2/50
Tensile Strain (Break)	12	%	ISO 527-2/50
Flexural Modulus ²	406000	psi	ISO 178
Flexural Stress ²	14900	psi	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (73°F)	0.95	ft·lb/in ²	ISO 179
Notched Izod Impact Strength (73°F)	0.95	ft·lb/in ²	ISO 180/1A
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (264 psi, Unannealed)	203	°F	ISO 75-2/A
Deflection Temperature Under Load (264 psi, Annealed)	219	°F	ISO 75-2/A
Vicat Softening Temperature			
--	225	°F	ISO 306/B50
--	239	°F	ISO 306/A50
CLTE - Flow	3.3E-5	in/in/°F	ISO 11359-2
Flammability	Nominal Value	Unit	Test Method
Flame Rating (0.06 in)	HB		UL 94

Notes

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

² 0.079 in/min

