ACRYREX® CM-220HT

CHI MEI CORPORATION - ***Polymethyl Methacrylate Acrylic***

General Information

Product Description			
High heat resistant			
General			
Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Features	• High Heat Resistance		
Resin ID (ISO 1043)	• >PMMA<		

Properties [1]

Physical	Nominal Value	Unit	Test Method
Density (73°F)	1.19	g/cm³	ISO 1183
Melt Volume-Flow Rate (MVR) (230°C/3.8 kg)	2.8	cm³/10min	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 527-2/5
Tensile Strain (Break)	12	%	ISO 527-2/5
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/in²	ISO 179
Notched Izod Impact Strength (73°F)	0.95	ft·lb/in²	ISO 180/1A
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load (264 psi, Unannealed)	210	°F	ISO 75-2/A
Deflection Temperature Under Load (264 psi, Annealed)	226	°F	ISO 75-2/A
Vicat Softening Temperature			
--	235	°F	ISO 306/B50
--	250	°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