

ACRYREX CM-205M

PMMA

CHIMEI Corporation

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	3	g/10min	ISO 1133
Temperature	230	°C	-
Load	3.8	kg	-
Molding shrinkage, parallel	0.4	%	ISO 294-4, 2577
ASTM Data			
Melt Flow Index, MFI	3.5	g/10min	ASTM D 1238
Temperature	230	°C	-
Load	3.8	kg	-
Mechanical properties			
ISO Data			
Yield stress	68	MPa	ISO 527
Stress at break	68	MPa	ISO 527
Flexural modulus, 23°C	2800	MPa	ISO 178
Flexural strength	103	MPa	ISO 178
Charpy notched impact strength, +23°C	2	kJ/m ²	ISO 179/1eA
Izod notched impact strength, +23°C	2	kJ/m ²	ISO 180/1A
ASTM Data			
Tensile Strength at Yield	70.6	MPa	ASTM D 638
Flexural Strength	118	MPa	ASTM D 790
Rockwell Hardness	M 95	-	ASTM D 785
Izod Impact notched, 1/4 in	19.6	J/m	ASTM D 256
Thermal properties			
ISO Data			
Temp. of deflection under load, 1.80 MPa	93	°C	ISO 75-1/-2
Vicat softening temperature, A	112	°C	ISO 306
Vicat softening temperature, B	104	°C	ISO 306
Coeff. of linear therm. expansion, parallel	60	E-6/K	ISO 11359-1/-2
Burning behav. at 1.5 mm nom. thickn.	HB	class	IEC 60695-11-10
Thickness tested	1.5	mm	-
ASTM Data			
UL 94 Flame rating	HB	-	UL 94
Thickness tested	1.5	mm	-
Vicat Temperature	115	°C	ASTM D 1525
Other properties			
Density	1190	kg/m ³	ISO 1183
Density	1190	kg/m ³	ASTM D 792

Characteristics**Regional Availability**

Asia Pacific