

ACRYREX CM-205G

PMMA

CHIMEI Corporation

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt volume-flow rate, MVR	1.8	cm ³ /10min	ISO 1133
Temperature	230	°C	-
Load	3.8	kg	-
ASTM Data			
Melt Flow Index, MFI	1.8	g/10min	ASTM D 1238
Temperature	230	°C	-
Load	3.8	kg	-
Mechanical properties			
ISO Data			
Tensile Strength	7	MPa	ISO 527
Flexural strength	9.5	MPa	ISO 178
Izod notched impact strength, +23°C	2	kJ/m ²	ISO 180/1A
Rockwell hardness	M 97	-	ISO 2039-2
ASTM Data			
Tensile Strength	70.3	MPa	ASTM D 638
Flexural Strength	108	MPa	ASTM D 790
Rockwell Hardness	M 97	-	ASTM D 785
Izod Impact notched, 1/4 in	19.8	J/m	ASTM D 256
Thermal properties			
ISO Data			
Temp. of deflection under load, 1.80 MPa	100^[ann.]	°C	ISO 75-1/-2
Vicat softening temperature, A	113	°C	ISO 306
Burning behav. at 1.5 mm nom. thickn.	HB	class	IEC 60695-11-10
Thickness tested	1.6	mm	-
ASTM Data			
UL 94 Flame rating	HB	-	UL 94
Thickness tested	1.59	mm	-
Vicat Temperature	113	°C	ASTM D 1525
ann.: annealed			
Optical properties			
ASTM Data			
Light Transmittance	92	%	ASTM D 1003
Other properties			
Density	1190	kg/m ³	ISO 1183
Water Absorption, 24hr	0.3	%	ASTM D 570
Density	1190	kg/m ³	ASTM D 792

Characteristics**Regional Availability**

Asia Pacific