

ACRYSTEX PM-500G

SMMA

CHIMEI Corporation

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	1.8	g/10min	ISO 1133
Temperature	200	°C	-
Load	5	kg	-
Molding shrinkage, parallel	0.4	%	ISO 294-4, 2577
Mechanical properties			
ISO Data			
Stress at break	64	MPa	ISO 527
Flexural strength	88	MPa	ISO 178
Izod notched impact strength, +23°C	2	kJ/m ²	ISO 180/1A
Rockwell hardness	M 78	-	ISO 2039-2
Thermal properties			
ISO Data			
Temp. of deflection under load, 1.80 MPa	80	°C	ISO 75-1/-2
Vicat softening temperature, A	104	°C	ISO 306
Burning behav. at 1.5 mm nom. thickn.	HB	class	IEC 60695-11-10
Thickness tested	1.5	mm	-
Yellow Card available	yes	-	-
Optical properties			
ISO Data			
Haze	0.5	-	ISO 14782
Luminous transmittance	92	%	ISO 13468-1, -2
Other properties			
Water absorption	0.3	%	Sim. to ISO 62
Density	1110	kg/m ³	ISO 1183

Characteristics**Regional Availability**

Asia Pacific