



Glatic[®] PMMA Sheet

Product Name : MCL+
Type : Clear
Materials : Poly(methyl methacrylate)
Dimension : User spec
Thickness : 0.5~3mm

Property	Test Method	Units	Value	Note
Manufacturing Specifications				
Thickness Tolerance	Thickness Measuring System	%	< ±5	0.5mm
			< ±3	more than 0.5mm
Physical Property				
Specific gravity	ISO 1183		1.19	
Water absorption@23°C ,24hr	ISO 62	%	0.3	
Mechanical and Thermal Property				
Tensile Strength	ISO 527-2	MPa	66.8~75.5	
Tensile Modulus	ISO 527-2	GPa	2.5~3.0	
Tensile Elongation at Break	ISO 527-2	%	<15	
Flexural Strength	ISO 178	MPa	110~140	
Flexural Modulus	ISO 178	GPa	2.6~3.4	
Izod Impact Strength	ISO 180	KJ/m ²	1.5~2.1	
Rockwell Hardness	ISO 2039-2	M scale	90~101	
Pencil Hardness	ISO 15184		3H	
Specific Heat	ISO 11357-4	kJ/kg- °C	1.46~1.47	
Heat Deflection Temp.(1.8MPa)	ISO 75-2	°C	95~102	
Optical Property				
Refractive Index n _D	ISO 489		1.49	
Light Transmittance	ASTM D1003	%	>92	at 550nm
Yellow Index	ASTM E313	%	<0.5	
Haze	ASTM D1003	%	<0.5	
RoHS				
Cadmium(Cd)			N.D.	
Lead(Pb)			N.D.	
Mercury(Hg)			N.D.	
Hexavalent Chromium(Cr VI)			N.D.	
Polybrominated Bisphenyl(PBBs)			N.D.	
Polybrominated Diphenyl Ether(PBDEs)			N.D.	Test Report
Halogen				
Bromine(Br)			N.D.	
Chlorine(Cl)			N.D.	
Fluorine(F)			N.D.	
Iodine(I)			N.D.	

* These are typical properties are not intended for specification purposes.