



Glasic[®] High Impact PMMA Film

Product Name : MCL+HI

Type : Clear

Materials : Hi-impact Poly(methyl methacrylate)

Dimension : User spec

Thickness : 0.10~0.38mm

Property	Test Method	Units	Value	Note
Manufacturing Specifications				
Thickness Tolerance	Thickness Measuring System	%	< ±7	less than 0.2mm
			< ±5	0.2mm or more than 0.2mm
Physical Property				
Specific gravity	ISO 1183		1.17	
Water absorption@23°C ,24hr	ISO 62	%	0.3	
Mechanical and Thermal Property				
Tensile Strength at break (MD)	ISO 527-2	MPa	61	0.125mm
Elongation at break (MD)	ISO 527-2	%	43	
Flexural Modulus	ISO 178	Gpa	2.5	
Charpy impact Strength(with notch)	ISO 179	KJ/m2	3.8	
Rockwell Hardness	ISO 2039-2	M scale	75	
Pencil Hardness	ISO 15184		H	
Vicat softening point	ISO 306	°C	101	
Heat Deflection Temp.(1.8MPa)	ISO 75-2	°C	92.0	
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	%	<1.0	
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.