

PLEXIGLAS® MC MATTE ACRYLIC SHEET

Versatile and Attractive Looks for Designer Creations

PLEXIGLAS® MC Matte acrylic sheet is a melt-calendared sheet with a surface finish similar to cell-cast PLEXIGLAS® G P-95 acrylic sheet. This PLEXIGLAS® MC Matte option allows designers and fabricators to choose a similar surface finish, but with all the attributes of standard PLEXIGLAS® MC acrylic sheet.

This versatile material has many residential, commercial, industrial, and professional uses. Applications may include POP displays, store fixtures, brochure holders, signage, and decorative furnishings.

PLEXIGLAS® MC Matte is available with the matte finish on either one side (PLEXIGLAS® MC Matte) or both sides (PLEXIGLAS® MC Matte - 2 sided) of the sheet.

- Distinct matte finish diffuses surface reflections and hides imperfections
- Resists fingerprints, scratches, and smudges
- Lightweight – Half the weight of glass
- Weather resistant
- Can be easily fabricated and thermoformed
- Thickness range from 0.118" - 0.472"
- Colors available upon request



PRODUCT OFFERINGS*

Thickness	Sheet Size
0.118"	48" x 96"
0.150"	60" x 96"
0.177"	72" x 96"
0.236"	
0.354"	
0.472"	

* Run to size available upon request

TYPICAL VALUES

	Test Method	Unit	Value
Physical properties			
Nominal thickness for data unless otherwise noted	-	in	0.236"
Specific gravity	ASTM D-792	-	1.19
Rockwell hardness	ASTM D-785	M scale	90
Optical properties			
Refractive index (ND @ 73°F)	ASTM D-542	-	1.49
Luminous transmittance ¹	ASTM D-1003	%	92.0
Specular gloss at 85°	ASTM D-523	-	< 10.0
Mechanical properties			
Tensile strength, maximum	ASTM D-638	psi	10,200
Tensile strength, yield	ASTM D-638	psi	10,200
Tensile elongation	ASTM D-638	%	4.5
Tensile modulus of elasticity	ASTM D-638	psi	450,000
Flexural strength, maximum	ASTM D-790	psi	15,000
Flexural modulus of elasticity	ASTM D-790	psi	450,000
Notched izod impact @ 73°F (23°C)	ASTM D-256	ft-lb/in	0.3
Un-notched charpy @ 73°F (23°C)	ASTM D-256	ft-lb/0.5"x1" section	7.0
Thermal properties			
Deflection temperature under Flexural Load @ 264psi - unannealed ¹	ASTM D-648	°F	200
Coefficient of thermal expansion at 60°F	ASTM E-831	in/in/°F x10 ⁻⁵	3.6
Coefficient of thermal conductivity	ASTM C-177	BTU/(hr)(ft ²)(°F/in)	1.3
Maximum recommended continuous service temperature	N/A	°F	170 - 190
Recommended thermoforming temperature	N/A	°F	275 - 350
Flammability ² & specification compliance properties			
Self ignition temperature	ASTM D-1929	°F	860
Standard specification for PMMA acrylic plastic sheet	ASTM D-4802	-	Category B-1, Finish 2