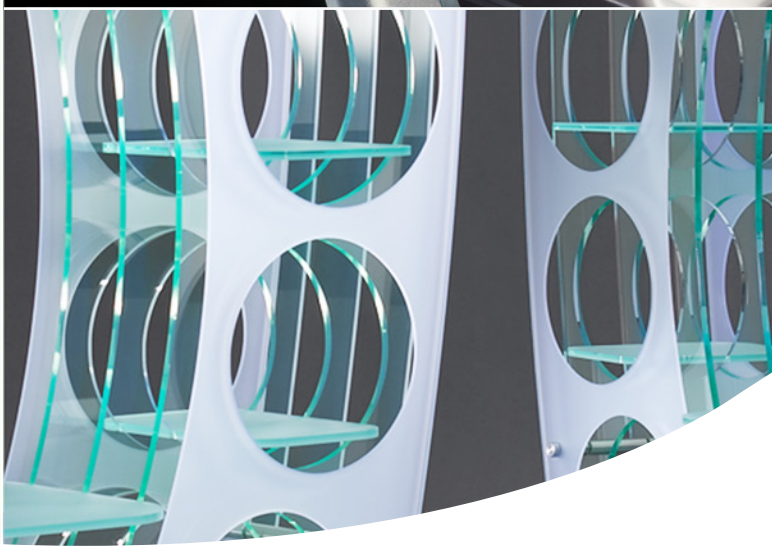
Versatile and Attractive Looks for Designer Creations



PLEXIGLAS® BY ARKEMA

Plexiglas® MC Matte

ACRYLIC SHEET

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 0.080" – 0.472"**
- **Colors available upon request**

ALTUGLAS INTERNATIONAL ARKEMA GROUP

Plexiglas® MC Matte

ACRYLIC SHEET

TYPICAL STANDARD PROPERTIES

PROPERTIES	TEST METHOD	UNIT	VALUE
PHYSICAL			
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			
Refractive Index (ND @ 73°F)	ASTM D-542	---	1.49
Luminous Transmittance[1]	ASTM D-1003	%	92.0
Specular Gloss at 85º	ASTM D-523	---	< 10.0
MECHANICAL			
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			
Deflection Temperature under Flexural Load @ 264psi – unannealed[1]	ASTM D-648	ºF	200
Coefficient of Thermal Expansion at 60ºF	ASTM E-831	in / in / ºF x 10^{-5}	3.6
Coefficient of Thermal Conductivity	ASTM C-177	BTU / (hr)(ft^2)(ºF/in)	1.3
Maximum Recommended Continuous Service Temperature	N/A	ºF	170 – 190
Recommended Thermoforming Temperature	N/A	ºF	275 – 350
FLAMMABILITY[2] & SPECIFICATION COMPLIANCE			
Self Ignition Temperature	ASTM D-1929	ºF	860
Standard Specification for PMMA Acrylic Plastic Sheet	ASTM D-4802	---	Category B-1, Finish 2

Data given are average values and should not be used for specification purposes.

1. This property will change with thickness. The value given is for the thickness indicated in the column heading unless otherwise noted.
2. Flammability tests are small scale tests and may not be indicative of how materials will perform in an actual situation.

THICKNESS
0.080″
0.118″
0.150″
0.177″
0.236″
0.354″
0.472″

SHEET SIZE*
48″ x 96″
60″ x 96″
72″ x 96″

Run to size available upon request

Plexiglas® acrylic plastic is a combustible thermoplastic. Observe fire precautions appropriate for comparable forms of wood and paper. For building uses, check code approvals. Impact resistance is a factor of thickness. Avoid exposure to heat or aromatic solvents. Clean with soap and water. Avoid abrasives.

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