

## Plexiglas® Frosted

ACRYLIC SHEET

### **Vivid colors. Endless possibilities.**

Durable, lightweight and uniquely finished, Plexiglas® Frosted acrylic sheet is an excellent material for backdrops, columns, lighting diffusers, illuminated signage, shelving, tabletops, visual displays and more. The frosted look isn't just on the surface — it's engineered throughout the entire acrylic structure. Unlike surface embossed textures, it retains its frosted finish even after thermoforming.

**PLEXIGLAS®**  
BY ARKEMA

- Resists fingerprints, scratches, and smudges
- Easy to clean and virtually maintenance-free
- Allows maximum light transmission with excellent diffusion
- Dramatic, rich effects while hiding light sources
- Easy to cut, drill, rout, finish, and cement
- Thickness available 0.060" - 0.472"
- Patented technology within the scope of one or more claims of US patent 7,067,188

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### TYPICAL STANDARD PROPERTIES

PROPERTIES	TEST METHOD	UNITS	VALUE
<b>Physical</b>			
Nominal Thickness for data unless otherwise noted	N/A	in	0.236"
Specific Gravity	ASTM D-792	—	1.18
Rockwell Hardness	ASTM D-785	M scale	95
<b>Optical</b>			
Refractive Index (ND @ 73°F)	ASTM D-542	—	1.49
Luminous Transmittance <sup>1</sup>	ASTM D-1003	%	83
<b>Mechanical</b>			
Tensile Strength, maximum	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
<b>Thermal</b>			
Deflection Temperature under Flexural Load @ 264psi – unannealed <sup>1</sup>	ASTM D-648	°F	185
Maximum Recommended Continuous Service Temperature	N/A	°F	170 – 190
Recommended Thermoforming Temperature	N/A	°F	275 – 350
<b>Flammability<sup>3</sup> &amp; Specification Compliance</b>			
Horizontal Burn Rate <sup>1,2</sup>	ASTM D-635	in / min	1.0
Smoke Density <sup>4</sup>	ASTM D-2843	%	5.0
Self Ignition Temperature	ASTM D-1929	°F	850
Plastics Component – QMFZ2.E39437 Flammability Classification	UL 94	—	94 HB (≥ 0.060" Colorless)
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. Tests performed on 0.118" thickness.  
 3. Flammability tests are small scale tests and may not be indicative of how materials will perform in an actual situation.  
 4. Tests performed on 0.375" thickness.

### STANDARD COLOR OFFERING

COLORLESS	
LIGHT GRAY	3160
LIGHT BRONZE	3161
DARK BLUE	3162
LIGHT BLUE	3163
DARK RED	3164
BLACK OPAQUE	3165
MEDIUM BLUE	3166
LIGHT GREEN	3167
GREEN	3168
ORANGE	3169

RED	3170
BLUE	3171
WHITE TRANSLUCENT	W 3172
BLUE	3207
YELLOW	3209
RED	3230
RED	3231
ORANGE	3236
BLUE	3237
ORANGE	3238
ORANGE	3239

SHEET SIZE	THICKNESS
48" x 96"	0.080"
60" x 96"	0.118"
72" x 96"	0.177"
51" x 100"	0.220"
63" x 100"	0.236"
72" x 100"	0.354"
75" x 100"	0.472"

All thicknesses available in all sheet sizes. Other thicknesses and sizes are subject to minimum order requirements and are quoted upon request.

Distributed by:



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where solutions take shape

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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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