



# Plexiglas® Frosted

## A Timeless Classic with 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 application options are truly only limited by the imagination due to the internal bead technology used when extruding these sheets.

The frosted look of this acrylic isn't just on the surface — it's engineered throughout the entire acrylic structure, which means that Plexiglas® Frosted acrylic sheet retains its frosted finish even after thermoforming, unlike comparable products with surface embossed textures.

Highlights of this product include:

- 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
- Patented technology within the scope of one or more claims of US patent 7,067,188

### COLOR OFFERINGS\*

Plexiglas® Frosted is offered in numerous colors, including the selection of standard and premier options shown below. Altuglas also offers the ability to create custom colors and color matching, so you're sure to find the color you need.

COLORLESS		LIGHT GRAY	3160
WHITE TRANSLUCENT	W3172	LIGHT BRONZE	3161
WHITE TRANSLUCENT	W3376	DARK BLUE	3162
		LIGHT GREEN	3167

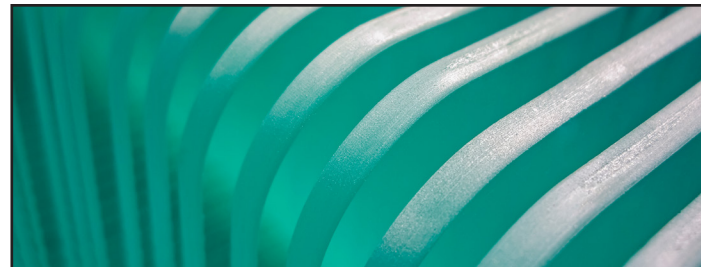
\*Not all colors may be in stock. Colors shown are not a complete list of capabilities. Premier and custom colors are available upon request. Minimum order quantity and lead time may vary.

### PRODUCT OFFERINGS\*\*

Plexiglas® Frosted is available in a variety of sheet sizes and thicknesses, with custom offerings available upon request.

THICKNESS		SHEET SIZE		
0.080"	0.098"	48" X 96"	60" X 96"	72" X 96"
0.118"	0.177"	49" X 97"	61" X 97"	73" X 97"
0.220"	0.236"	51" X 100"	63" X 100"	75" X 100"
0.354"	0.472"	48" X 120"	60" X 120"	72" X 120"

\*\*Not all thickness/sheet size/color combinations may be in stock. Minimum order quantity and lead times may vary. Please contact our customer service team for more information.



### HOW TO PURCHASE

Plexiglas® Frosted can be purchased through authorized distributors throughout the Americas.

For product inquiries, technical questions, or contact information for your closest distributor, please contact our customer service team at:

[arkema.usph-sheet-cs@altuglasint.com](mailto:arkema.usph-sheet-cs@altuglasint.com) or 1-800-523-7500

PROPERTIES	TEST METHOD	VALUE	UNIT OF MEASURE
<b>PHYSICAL</b>			
Nominal Thickness for data unless otherwise noted	N/A	0.236"	in
Specific Gravity	ASTM D-792	1.18	—
Rockwell Hardness	ASTM D-785	95	M scale
<b>OPTICAL</b>			
Refractive Index (ND @ 73°F (23°C))	ASTM D-542	1.49	—
Luminous Transmittance	ASTM D-1003	85	%
<b>MECHANICAL</b>			
Tensile Strength, maximum	ASTM D-683	10,200	psi
Tensile Elongation	ASTM D-683	4.5	%
Tensile Modulus of Elasticity	ASTM D-683	450,000	psi
Flexural Strength, maximum	ASTM D-790	15,000	psi
Flexural Modulus of Elasticity	ASTM D-790	450,000	psi
Notched Izod Impact @ 73°F (23°C)	ASTM D-256	0.3	ft-lb / in
<b>THERMAL</b>			
Deflection Temperature under Flexural Load @ 264psi – unannealed <sup>1</sup>	ASTM D-648	185	°F
Maximum Recommended Continuous Service Temperature	N/A	170 - 190	°F
Recommended Thermoforming Temperature	N/A	275 - 350	°F
<b>FLAMMABILITY<sup>3</sup> &amp; SPECIFICATION COMPLIANCE</b>			
Horizontal Burn Rate <sup>1,2</sup>	ASTM D-635	1.0	in / min
Smoke Density <sup>1,2</sup>	ASTM D-2843	2.0	%
Self Ignition Temperature <sup>1,2</sup>	ASTM D-1929	850	°F
Plastics Component QMFZ2.E39437 — Flammability Classification	UL 94	HB (≥ 0.080" All)	—
Plastics Component QMFZ2.E39437 — Outdoor Sustainability	UL 746C	f1 (≥ 0.080" Colorless) f2 (≥ 0.080" ALL)	—
International Building Code	IBC 2606.4	CC2 (0.080" – 0.472")	—
Miami-Dade County Product Control Division	NOA # 18-0725.10	PASS (0.080" - 0.472")	—
Florida Building Code	15786-R2	PASS (0.080" - 0.472")	—
Standard Specification for PMMA Acrylic Plastic Sheet	ASTM D-4802	Category B-1, Finish 2	—

JNS 0519

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 0.080" thickness.

3- Flammability tests are small scale tests and may not be indicative of how materials will perform in an actual situation.

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