



# Plexiglas® Frosted 3165 Black Acrylic Sheet

## Produced from Recycled Content with Endless Possibilities

**In a time when “going green” is at the forefront of society, Plexiglas® Acrylic Sheet is proud to promote our Plexiglas® Frosted 3165 Black: an acrylic sheet made with more than 70% recycled content.**

Arkema Inc., a designer of materials and innovative solutions, strives to have Plexiglas® acrylic as a benchmark for the industries of tomorrow throughout the Americas. With this in mind, the Plexiglas® Acrylic Sheet group understands the market focus on sustainability and aligns with these ideals by utilizing recycled content to increase performance and minimize waste, without sacrificing product quality.

Due to its durability, light weight, and textured finish, the Plexiglas® Frosted line of acrylic sheet is an excellent material with a modern aesthetic for backdrops, columns, signage, shelving, tabletops and visual displays. The opacity of this material also meets specialty market needs where light restriction is required. Plexiglas® Frosted 3165 Black acrylic sheet is a key product in arcade and video game construction to block external lighting, ensuring proper screen visibility.

Furthermore, the frosted texture of this acrylic isn’t just on the surface — the internal bead technology used when extruding these sheets means that the frosted look is engineered throughout the entire acrylic structure. This offers the extra benefit of the Plexiglas® Frosted line of acrylic sheet retaining its frosted finish even after thermoforming, unlike comparable products with surface embossed textures.

Eco-friendly recycled sourced, Plexiglas® Frosted 3165 Black acrylic sheet offers all the features of the Plexiglas® Frosted line of acrylic sheet:

- Resists fingerprints, scratches, and smudges
- Easy to clean and low maintenance
- Modern, rich effects
- Easy to cut, drill, rout, finish, and cement
- Patented technology

### PRODUCT OFFERINGS\*

Plexiglas® Frosted 3165 Black acrylic sheet is available in a variety of sheet sizes and thicknesses, with custom offerings available upon request.

THICKNESS	
0.118"	0.177"
0.236"	0.354"

SHEET SIZE
48" X 96"
60" X 96"

\*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 3165 Black acrylic sheet 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>			
Luminous Transmittance	ASTM D-1003	< 1	%
<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	f2 (≥ 0.080" All)	—
International Building Code	IBC 2606.4	CC2 (0.080" – 0.472")	—
Miami-Dade County Product Control Division	NOA # 20-1104.03	PASS (0.080" - 0.472")	—
Standard Specification for PMMA Acrylic Plastic Sheet	ASTM D-4802	Category B-1, Finish 2	—

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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.

Please consult Arkema's disclaimer regarding the use of Arkema's products on <http://www.arkema.com/en/products/product-safety/disclaimer/index.html>

See SDS for Health & Safety Considerations.

Plexiglas® is a registered trademark of Arkema in the Americas. UL® is a registered trademark of UL LLC.

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