



# Plexiglas® G P-95 Plexiglas® G DP-95

## Premium Cell-Cast Acrylic with a Modern Matte Finish

Specifically created for designers who manufacture POP displays, showcases, signage, and decorative furnishings, Plexiglas® G P-95 acrylic sheet and Plexiglas® G DP-95 acrylic sheet provide a distinctive matte finish that effectively complements any application. When used to display other products, Plexiglas® G P-95 and Plexiglas® G DP-95 acrylic sheet offers the ability to heighten any design while keeping the focus on the items being showcased.

This high performance cell-cast acrylic sheet is available with the matte finish on either one side of the sheet (Plexiglas® G P-95) or both sides of the sheet (Plexiglas® G DP-95), and can be fabricated without altering the optical or mechanical properties of the product. It is a versatile material with many residential, commercial, industrial, and professional uses.

Plexiglas® G P-95 and Plexiglas® G DP-95 acrylic sheet maintain all the attributes of the premium grade Plexiglas® G, with these additional qualities:

- A distinct matte finish to diffuse surface reflections and hides imperfections
- Resists fingerprints, scratches, and smudges
- Lightweight and weather resistant

### COLOR OFFERINGS\*

Plexiglas® G acrylic sheet is available in numerous colors with a finish of either the one-sided pattern P-95 or the double-sided pattern DP-95. These color options include the majority of the Plexiglas® G colors, as well as custom color-matching possibilities, with the most popular options shown below:



\*Premier and custom colors are available upon request; minimum order quantity and lead times may vary. Colors shown are not a complete list of capabilities. Please contact our customer service team for more information.

### PRODUCT OFFERINGS\*\*

Plexiglas® G P-95 acrylic sheet and Plexiglas® G DP-95 acrylic sheet is available in a variety of sizes and thicknesses, with custom offerings available upon request.

THICKNESS		SHEET SIZE		
0.118"	0.177"	48" x 96"	60" x 96"	72" x 96"
0.236"	0.354"	49" x 97"	61" x 97"	73" x 97"
0.472"	0.625"			
0.708"	0.944"			

\*\*Not all thickness/sheet size/color combinations may be in stock. Minimum order quantity and lead time may vary. Cast acrylics are produced as part of a batch/yield process. Thicknesses and sheet sizes listed are not a complete list of capabilities. Please contact our customer service team for more information.



### HOW TO PURCHASE

Plexiglas® G P-95 acrylic sheet and Plexiglas® G DP-95 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		0.236"	in
Specific Gravity	ASTM D-792	1.19	—
Rockwell Hardness	ASTM D-785	100	M scale
<b>OPTICAL</b>			
Refractive Index (ND @ 73°F (23°C))	ASTM D-542	1.49	—
Luminous Transmittance <sup>1</sup>	ASTM D-1003	90.0	%
<b>MECHANICAL</b>			
Tensile Strength, maximum	ASTM D-683	10,500	psi
Tensile Strength, yield	ASTM D-683	10,500	psi
Tensile Elongation	ASTM D-683	4.9	%
Tensile Modulus of Elasticity	ASTM D-683	450,000	psi
Flexural Strength, maximum	ASTM D-790	16,000	psi
Flexural Modulus of Elasticity	ASTM D-790	450,000	psi
Shear Strength, yield <sup>1</sup>	ASTM D-732	9,000	psi
Shear Modulus	ASTM D-732	167,000	psi
Notched Izod Impact @ 73°F (23°C)	ASTM D-256	0.3	ft-lb / in
Un-Notched Charpy @ 73°F (23°C)	ASTM D-256	7.0	ft-lb / 0.5"x1" section
<b>THERMAL</b>			
Deflection Temperature under Flexural Load @ 264psi - unannealed <sup>1</sup>	ASTM D-648	205	°F
Coefficient of Thermal Expansion at 60°F	ASTM E-831	3.9	in / in / °F x 10
Coefficient of Thermal Conductivity	ASTM- C-177	1.3	BTU / (hr) (ft <sup>2</sup> ) (°F/in)
Specific Heat Capacity at 77°F	N/A	0.35	BTU / (lb °F)
Maximum Recommended Continuous Service Temperature	N/A	180 - 200	°F
Recommended Thermoforming Temperature	N/A	Not recommended	°F
<b>CRAZE RESISTANCE</b>			
Constant Stress Craze Resistance, IPA <sup>3</sup>	Modified ARTC Method Mil P-6997	2,100	psi
Constant Stress Craze Resistance, Aromatic / Alcohol Blend <sup>3</sup>	Modified ARTC Method Mil P-6997	1,700	psi
<b>FLAMMABILITY<sup>2</sup> &amp; SPECIFICATION COMPLIANCE</b>			
Horizontal Burn Rate <sup>1,2</sup>	ASTM D-635	< 1.0	in / min
Smoke Density	ASTM D-2843	1.0	%
Self Ignition Temperature	ASTM D-1929	860	°F
Plastics Component QMFZ2.E39437 — Flammability Classification	UL 94	94HB (≥ 0.060")	—
Plastics Component QMFZ2.E39437 — Outdoor Suitability	UL 746C	f1 (≥ 0.060" Colorless) f2 (≥ 0.060" ALL)	—
International Building Code	IBC 2606.4	CC2 (0.118" – 0.944")	—
International Residential Code	IRC 308.3	CC2 (> 0.125")	—
American National Standard for Safety Glazing	ANSI Z97.1	PASS (≥ 0.080")	—
FMVSS 205 — Federal Motor Vehicle Safety Glazing	ANSI Z26.1	AS-5, AS-6, AS-7	—
FAA (FAR) Section 25.853	Appx F, Part 1, Paragraphs (a)(1)(iv), Procedure (b)(5) 15 second horizontal burn	PASS (0.118" – 0.472")	—
Standard Specification for PMMA Acrylic Plastic Sheet	ASTM D-4802	Category A-1, Finish 2	—

JNS 052019

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.

3- The values are after the material has been heated for forming

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