



Versatile and Attractive
Looks for Designer Creations



PLEXIGLAS®
BY ARKEMA

Plexiglas® G P-95 Plexiglas® G DP-95

CELL-CAST ACRYLIC SHEET

Added texture for decorative effects.

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 provides a distinctive matte finish that effectively complements your product. This versatile material has many residential, commercial, industrial, and professional uses. Sheets can be fabricated without altering the optical or mechanical properties of the product.

This high performance cell-cast material is available with the matte finish on either one side (Plexiglas® G P-95) or both sides (Plexiglas® G DP-95) of the sheet.

- Premium-grade cell-cast sheet
- Distinct matte finish diffuses surface reflections and hides imperfections
- Resists fingerprints, scratches, and smudges
- Lightweight and weather resistant

COLOR OFFERING

Plexiglas® G P-95 and Plexiglas® G DP-95 acrylic sheet are available in more than 50 different colors, including 3063 Black/White which is a specially formulated Day/Night color, as well as 3143 Infrared Transmitting Sheet. Visit our chips gallery at www.plexiglas.com/gallery to see our wide range of color offerings.

Plexiglas® G P-95

Plexiglas® G DP-95

CELL-CAST ACRYLIC SHEET

TYPICAL STANDARD PROPERTIES

PROPERTIES	TEST METHOD	UNITS	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	100
Optical			
Refractive Index (ND @ 73°F)	ASTM D-542	—	1.49
Luminous Transmittance ¹	ASTM D-1003	%	82.0 min
Mechanical			
Tensile Strength, maximum	ASTM D-638	psi	10,500
Tensile Strength, yield	ASTM D-638	psi	10,500
Tensile Elongation	ASTM D-638	%	4.9
Tensile Modulus of Elasticity	ASTM D-638	psi	450,000
Flexural Strength, maximum	ASTM D-790	psi	16,000
Flexural Modulus of Elasticity	ASTM D-790	psi	450,000
Shear Strength, yield ¹	ASTM D-732	psi	9,000
Shear Modulus	ASTM D-732	psi	167,000
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" x 1" section	7.0
Thermal			
Deflection Temperature Under Flexural Load @ 264psi – unannealed ¹	ASTM D-648	°F	205
Coefficient of Thermal Expansion at 60°F	ASTM E-831	in / in / °F x 10 ⁻⁵	3.9
Coefficient of Thermal Conductivity	ASTM C-177	BTU / (hr)(ft ²)(°F/in)	1.3
Specific Heat Capacity at 77°F	N/A	BTU / (lb °F)	0.35
Maximum Recommended Continuous Service Temperature	N/A	°F	180 – 200
Recommended Thermoforming Temperature	N/A	°F	Not recommended
Craze Resistance			
Constant Stress Craze Resistance, IPA ³	Modified ARTC Method – Mil P-6997	psi	2,100
Constant Stress Craze Resistance, Aromatic / Alcohol Blend ³	Modified ARTC Method – Mil P-6997	psi	1,700
Flammability² & Specification Compliance			
Horizontal Burn Rate ^{1,2}	ASTM D-635	in / min	< 1.0
Smoke Density	ASTM D-2843	%	1.0
Self Ignition Temperature	ASTM D-1929	°F	860
Plastics Component – QMFZ2.E39437 - Flammability Classification	UL 94	—	94HB ($\geq 0.060"$)
Plastics Component – QMFZ2.E39437 - Outdoor Suitability	UL 746C	—	f1 ($\geq 0.060"$ Colorless) f2 ($\geq 0.060"$ 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 ($\geq 0.080"$)
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

• 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.



THICKNESS
0.118"
0.177"
0.236"
0.354"
0.472"
0.625"
0.708"
0.944"

SHEET SIZE*
48" X 96"
49" X 97"
50" X 99"
51" X 100"
60" X 96"
61" X 97"
62" X 99"
63" X 100"
72" X 96"
73" X 97"
74" X 99"
75" X 100"

*Custom lengths are available with minimum requirements.

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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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