

Plexiglass Frosted Product Details

PROPERTIES	TEST METHOD	UNITS	VALUE
Physical			
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
Optical			
Refractive Index (ND @ 73°F)	ASTM D-542	—	1.49
Luminous Transmittance ¹	ASTM D-1003	%	83
Mechanical			
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
Thermal			
Deflection Temperature under Flexural Load @ 264psi – unannealed ¹	ASTM D-648	°F	185
Maximum Recommended Continuous Service Temperature	N/A	°F	170 – 190
Recommended Thermoforming Temperature	N/A	°F	275 – 350
Flammability³ & Specification Compliance			
Horizontal Burn Rate ^{1,2}	ASTM D-635	in / min	1.0
Smoke Density ⁴	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.



800.231.4175
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