



THE GUND COMPANY

MANUFACTURERS & FABRICATORS OF ENGINEERED MATERIAL SOLUTIONS

PLEXIGLAS®

Item:	Plexiglas® (Acrylic PMMA)	
Description:	Plexiglas® (Acrylic PMMA) is a transparent thermoplastic with outstanding strength, stiffness, and optical clarity. Plexiglas® is easy to fabricate and bonds well with other materials.	
Applications:	<ul style="list-style-type: none"> • Windows • Aerospace and mass transit interior surfaces, 	
Key Characteristics:	<ul style="list-style-type: none"> • High transparency • Light transmission (>92%) • Good resistance to UV lightening and weathering • Extremely high surface hardness 	
Availability:	Fabricated Parts:	The Gund Company custom fabricates insulation materials to the exact specifications and drawings specified by our customers.

Length, width, thickness, and diameter sizes are available in a wide variety, with the proper product specified for your particular application. Product colors will vary according to material type.

Typical Properties	Test Method	Acrylic
Water Absorption, Immersion 24 Hours (%)	ASTM D570	0.2
Flexural Modulus (psi)	ASTM D790	480,000
Tensile Strength (psi)	ASTM D638	10,000
Rockwell Hardness,	ASTM D785	M-94
Barcol Hardness	ASTM D2583	49
IZOD Impact, Notched (ft-lbs/in of notch)	ASTM D256	0.4
Heat Deflection Temp @ 264 psi (°F / °C)	ASTM D678	195
Maximum continuous service temperature in air (°F)	--	160
Volume Resistivity	ASTM D257	1.6 x 10 ¹⁶ Ohm-cm
Surface Resistivity	ASTM D257	1.9 x 10 ¹⁵ Ohms
Dielectric Strength (V/mil) short time, 1/8" thick	ASTM D149	400
Dielectric Constant at 60 Hz	ASTM D150	4
Dissipation Factor at 60 Hz	ASTM D150	0.05
Coefficient of linear thermal expansion (x 10-5 in./in./°F)	ASTM D696	4.0
Light Transmittance (%)	ASTM D1003	92
UV Transmission	--	0 @ 320 Nanometers

AS9100C Certified | ISO/AS9100 Certified QMS | RoHS Compliant | ITAR Compliant

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