



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

Data supplied above are typical values and are not to be considered specification values. All of the information, suggestions and recommendations pertaining to the properties and uses of the products herein are based upon tests and data believed to be accurate; however, the final determination regarding suitability of any material described herein for the contemplated application, the manner of such use, and whether the use infringes any patents is the sole responsibility of the user. There is no warranty, expressed or implied, including, without limitation warranty of merchantability or fitness for a particular purpose. Under no circumstances shall we be liable for incidental or consequential loss or damage.