



THE GUND COMPANY

MANUFACTURERS & FABRICATORS OF ENGINEERED MATERIAL SOLUTIONS

ACRYLIC

Item:	ACRYLIC (polymethyl methacrylate)	
Description:	Acrylic is a transparent thermoplastic with outstanding strength, stiffness, and optical clarity. Acrylic sheet is easy to fabricate, and bonds well with adhesives. Because it's a thermoplastic and softens under extremely high temperatures, acrylic can be formed to virtually any shape. Incredibly durable, acrylic is a suitable solution over a broad temperature range, and has superior weathering properties.	
Applications:	<ul style="list-style-type: none"> • Transparent manifolds • Signs • Skylights 	
Key Characteristics:	<ul style="list-style-type: none"> • Easy to fabricate • UV resistant grades available • Strong and Stiff 	
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 D2538	49
Izod impact, notched (ft-lbs/in of notch)	ASTM D256	0.4
Heat Deflection Temperature @ 264 psi (°F)	ASTM D648	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
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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