

# FABCAST Acrylic



## Typical Properties

Property	Test Method	Units	Values
<b>PHYSICAL</b>			
Normal thickness for data		in	0.236"
Specific gravity	ASTM D 792	-	1.19
Water absorption, 24 hours @ 73 °F	ASTM D 570	%	0.2
<b>OPTICAL</b>			
Refractive index (ND @ 73 °F)	ASTM D 542	-	1.49
Luminous transmittance <sup>1</sup>	ASTM D 1003	%	91.0
Haze <sup>1</sup>	ASTM D 1003	%	< 3.0
<b>MECHANICAL/THERMAL</b>			
Tensile strength, maximum	ASTM D 638	psi	10,500
Tensile strength, yield	ASTM D 638	psi	10,500
Tensile elongation	ASTM D 638	%	0.3
Notched Izod impact @ 73 °F (23 °C)	ASTM D 256	Ft-lb / in	280
Deflection temp under flexural load @264 psi	ASTM D 648	°F	200
Flexural modulus of elasticity	ASTM D 790	Psi	450,000
<b>SPECIFICATION OF COMPLIANCE</b>			
Standard specification for PMMA Acrylic	ASTM D 4802	-	Cat. A-1, Finish 1
Plastics component QMFZ2.E39437	UL 94	HB	94HB>0.080"

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.

These suggestions and data are based on information we believe to be reliable. They are offered in good faith, but without guarantee, as conditions and methods of use are beyond our control. We recommend that the prospective user determines the suitability of our materials and suggestions before adopting them on a commercial scale.