



AcriForm Cast Acrylic is manufactured from 100% virgin methyl methacrylate monomer to ensure that our sheets have the highest quality optical properties, as well as other important features such as chemical and weather resistance and impact strength.

	PROPERTY	UNIT	VALUE
MECHANICAL	Specific Gravity	—	1.19-1.2
	Rockwell Hardness	gk/cm ²	M-100
	Shear Strength	gk/cm ²	630
	Flexural Strength	gk/cm ²	1050
	Tensile Strength	gk/cm ²	760
	Compressive Strength	gk/cm ²	1260
	Specific Heat	Cal/gr °C	0.35
ELECTRICAL	Dielectric Strength	Kv/mm	20
	Surface Resistivity	Ohm	>10 ¹⁶
OPTICAL	Light Transmittance	%	93
THERMAL	Hot Forming Temp	Refractive Index	140 - 180°C
	Hot Deformation Temp	Refractive Index	100°C
	Thermal Expansion Coefficient	Cm/cm/°C	6 x10 ⁻⁵
MISCELLANEOUS	Water Absorption (24 Hrs)	%	0.3
	Taste	%	None
COLOR THICKNESS SIZE	Clear 1/8" (3mm) 48" x 96" (1220mm x 2440mm) White 1/8" (3mm) 48" x 96" (1220mm x 2440mm) Clear 3/16" (4.5mm) 48" x 96" (1220mm x 2440mm) White 3/16" (4.5mm) 48" x 96" (1220mm x 2440mm) Clear 3/8" (9mm) 48" x 96" (1220mm x 2440mm) White 3/8" (9mm) 48" x 96" (1220mm x 2440mm)		

AREAS OF USE

- Indoor and outdoor signage, awards and promotional items
- Industrial, automotive and construction applications
- Lighting fixtures, electronic and optical products



Data sheet - 09/2018