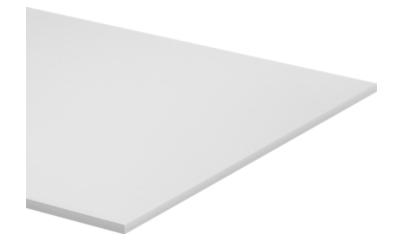
McMASTER-CARR®

Cast Acrylic Sheet 12" x 24" x 1/8"

\$14.27 Each 8505K742





White

Material	Acrylic Plastic
Shape	Sheet and Bar
Texture	Smooth
Thickness	1/8"
Thickness	-0.03" to 0.007"
Tolerance	
Tolerance	Standard
Rating	
Width	12"
Width Tolerance	-1/4" to 1/4"
Length	24"
Length	-1/4" to 1/4"
Tolerance	-1/4" TO 1/4"
Backing Type	Plain
Hardness	Rockwell M100
Hardness Rating	Hard
For Use	
Outdoors	Yes
Temperature	400 La 4700 E
Range	-40° to 170° F
Impact Strength	0.04-0.5 ftlbs./in.
Impact Strength	Poor
Rating	
Tensile Strength	10,500 psi
Tensile Strength	Good
Rating	
Color	White
Clarity	Opaque
Performance Properties	Easy to Thermoform, Electrical Insulator, High Strength, Low Thermal Expansion, Low Water Absorption, Multipurpose, Weather Resistant
For Use With	Chlorine, Coolant, Diesel Fuel, Ethylene Glycol, Gasoline, Hydrochloric Acid, Isopropyl Alcohol, Kerosene, Mineral Oil, Phosphoric Acid, Sodium Hydroxide, Water

Resistance

Resistance	
Excellent	Coolant, Diesel Fuel, Hydrochloric Acid, Kerosene, Mineral Oil, Phosphoric Acid, Sodium Hydroxide, Water
Moderate	Chlorine, Gasoline,
	Isopropyl Alcohol
Not Recommended	Acetic Acid, Acetone, Hydrogen Peroxide, Lacquer Solvents, Methyl Ethyl Ketone (MEK), Nitric Acid, Sulfuric Acid
Not Rated	Bleach, Fuel Oil, Heating Oil Hydraulic Fluid, Methanol, Synthetic Oil, Vegetable Oil
Fabrication	Cast
Density	0.043 lbs./cu. in.
Flexural	10,000 psi
Modulus	
Flexibility	Flexible
Coefficient of Friction	Not Rated
Friction Rating	Not Rated
Dielectric Strength	500 V/mil
Electrical Insulation Rating	Excellent
Water Absorption	0.2%
Water	
Absorption	Good
Rating	
Coefficient of Thermal Expansion	3.9 × 10 ⁻⁵ in./in./°F
Thermal Stability	Good
Comparable To	Acrylite, Lucite, Perspex, Plexiglas® Acrylic, Polycast
Warning Message	Physical and mechanical properties are not guaranteed. They are intended only as a basis for comparison and not for design purposes.
RoHS	RoHS 3 (2015/863/EU) Compliant
REACH	REACH (EC 1907/2006) (01/16/2020, 205 SVHC) Compliant
Country of	Mexico

Origin

The combination of high strength and water resistance, along with a variety of color choices, makes these opaque cast acrylic sheets useful for outdoor signs and containers. This material is also known as Lucite and Plexiglas® Acrylic.