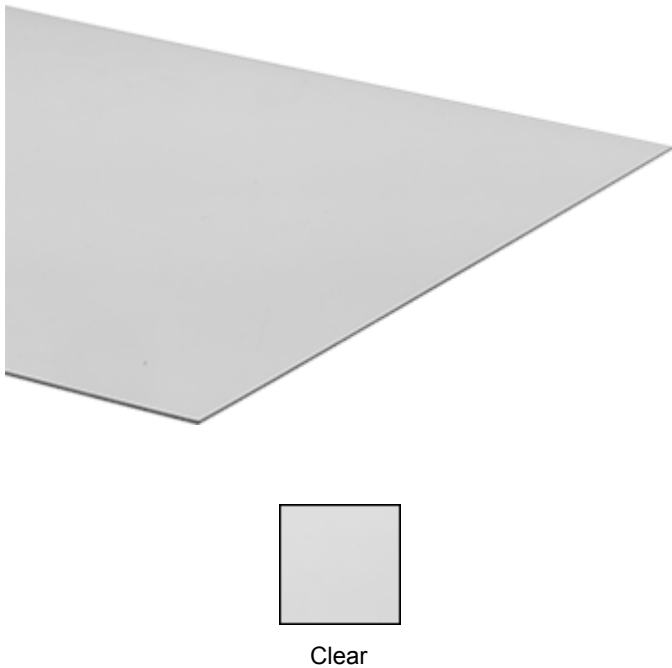


Clear Scratch- and UV-Resistant Cast Acrylic Sheet

12" x 24" x 1/4"

\$29.77 Each
8560K355



Material	Acrylic Plastic
Shape	Sheet and Bar
Texture	Smooth
Clarity	Clear
Light Transmission	92%
Thickness	1/4"
Thickness Tolerance	-0.04" to 0.02"
Tolerance Rating	Standard
Width	12"
Width Tolerance	-1/4" to 1/4"
Length	24"
Length Tolerance	-1/4" to 1/4"
Color	Clear
Backing Type	Plain
Hardness	Rockwell M94-M100
Hardness Rating	Hard
For Use Outdoors	Yes
Temperature Range	-40° to 170° F
Impact Strength	0.3-0.4 ft.-lbs./in.
Impact Strength Rating	Poor
Tensile Strength	10,000-11,250 psi
Tensile Strength Rating	Good
Chemical Resistance	
Excellent	Acetic Acid, Diesel Fuel, Hydrochloric Acid, Kerosene, Mineral Oil, Phosphoric Acid, Sodium Hydroxide, Water
Moderate	Bleach, Chlorine, Coolant, Fuel Oil, Gasoline, Heating Oil, Isopropyl Alcohol
Not Recommended	Acetone, Hydrogen Peroxide, Lacquer Solvents, Methanol,

Not Rated	Methyl Ethyl Ketone (MEK), Nitric Acid, Sulfuric Acid Hydraulic Fluid, Synthetic Oil, Vegetable Oil
Fabrication	Cast
Density	0.043 lbs./cu. in.
Flexural Modulus	450,000-470,000 psi
Flexibility	Semi-Rigid
Coefficient of Friction	0.8
Friction Rating	Not Slippery
Dielectric Strength	400-500 V/mil
Electrical Insulation Rating	Good
Water Absorption	0.2-0.33%
Water Absorption Rating	Poor
Coefficient of Thermal Expansion	$3.4 \text{ to } 4.2 \times 10^{-5} \text{ in./in./}^{\circ}\text{F}$
Thermal Stability	Good
Comparable To	Acrylite, Lucite, Perspex, Plexiglas® Acrylic, Polycast
Performance Properties	Clear, Easy to Thermoform, Electrical Insulator, Food Contact, High Strength, Low Thermal Expansion, Multipurpose, Weather Resistant
For Use With	Acetic Acid, Bleach, Chlorine, Coolant, Diesel Fuel, Fuel Oil, Gasoline, Heating Oil, Hydrochloric Acid, Isopropyl Alcohol, Kerosene, Mineral Oil, Phosphoric Acid, Sodium Hydroxide, Water
Specifications Met	Made of FDA Listed Material
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

These cast acrylic sheets, bars, and cubes are often fabricated into tanks, see-through barrier panels, and light fixture lenses. Cast acrylic, which is comparable to Lucite and Plexiglas® Acrylic, is easier to machine than extruded acrylic. This material is scratch and UV resistant; it stands up to outdoor use better than polycarbonate and maintains clarity over time.