



## Continuously Manufactured Sheet Products



**ACRYLITE FF Crystal Ice** - acrylic sheet frosted surface softens and diffuses light, while maintaining a crystal clear edge. Resists fingerprinting, easily fabricated.

Acrylic Sheet: 49" x 97"  
 Thickness: .118", .177", .236", .354"  
 Colors: Clear edge (0917-8) and glass green (5169-8)

**ACRYLITE FFV** acrylic sheet has a medium grade texture and is easily fabricated. It is designed for specialty applications like shower doors and patio furniture.

**ACRYLITE FFX** acrylic sheet offers a decorative double side stipple texture, 69% light transmission, and easy fabrication. It is ideal for applications such as chair mats and cutting boards

**ACRYLITE FXS** acrylic sheet offers a decorative one-side stipple finish and easy fabrication, ideal for cutting boards.

**ACRYLITE PLUS®** acrylic sheet is a versatile, thermoplastics material developed for markets requiring strength, appearance and weatherability. High optical quality, much greater impact strength than glass or standard acrylic sheet, with half the weight of glass. Colorless ACRYLITE PLUS® sheet's light transmittance is greater than 91% (1/8" thickness) It retains high light transmitting properties for many years.

Acrylic Sheet: 48" x 96"  
 Thickness: .060", .080", .090", .118", .177", .236"  
 Glas green Thickness: 080", .118", .177", .236"  
 Colors: Colorless



### Physical Properties

Property	ASTM	Typical Value (3.0mm Thickness)	
<b>Mechanical</b>	Specific Gravity	D792	1.16
	Tensile Strength	D638	8,900 psi (61.3 MPa)
	Tensile Elongation, Yield	D638	4.8%
	Tensile Modulus of Elasticity	D638	350,000 psi (2410 MPa)
	Flexural Strength	D790	14,500 psi (99 MPa)
	Flexural Modulus of Elasticity	D790	330,000 psi (2270 MPa)
	Rockwell Hardness	D785	70 "M" Scale
	Impact Strength Izod Milled Notch	D256	0.75 ft.lbs/in of notch (40J/m of notch)
	Charpy (unnotched)	D256	12.1 ft.lbs/in (635J/m of notch)
	Gardner Impact	D3029	40 in-lbs (21J)
	<b>Optical</b>	Refractive Index	D542
Gloss 20%		D543	140
Light Transmission		D1003	91%
<b>Thermal</b>	Forming Temperature	—	270-350°F (132-177°C)
	Deflection Temp Under Load, 264 psi	D648	196°F (91°C)
	Vicat Softening Point	D1525	226°F (108°C)
	Max. Recommended Continuous Service Temperature	—	160°F (71°C)
	Coeff. of Linear Thermal Expansion	D696	0.00004 in/in/°F
	Self Ignition Temperature	D1929	0.000072 m/m/°C
	Smoke Density	D2843-99	750°C (399°C)
	Average Burn Rate	D635-98	2.2% at 1.5 mm (0.060in) 3.8% at 6.0 mm (0.236in)
			1.4 in/min (35mm/min) at 1.5 mm (0.60 in) 1.0 in/min (25mm/min) at 6.0 mm (0.236 in)
	<b>Water Absorption (24hrs @73°F)</b>	D570	0.3%