



## LUCITE® CP

LUCITE® CP acrylic sheet is a continuously processed product which exhibits outstanding optical properties, uniform thickness and a low stress level. Lucite CP sheet is a lightweight, weather-resistant thermoplastic. It can be easily fabricated, formed, finished, cemented, painted and decorated.

**Standard Sizes:** 48",60",72" wide x 96" length  
 63",51",75" wide x 100" length  
 54" wide x 108" length  
 48",72" wide x 120" length

**Thickness:** range from .060" to .354"

**Colors:** clear, 7328, and 2447 White

## LUCITE® L

LUCITE® L cast acrylic sheet, produced from methyl methacrylate monomer, has exceptional freedom from warpage, cracks, scratches, voids, foreign matter and other defects which may affect appearance or serviceability. Offers many features of cell cast at lower costs.

**Sizes:** max width 108" • max length 126"

**Thickness:** range from .118" - .236"

**Colors:** solar tints, whites, sign colors and fluorescents.

Physical Properties	ASTM	CP Units/Value	L Units/Value
<b>Mechanical</b>			
Tensile Strength	D638	10,300psi	10,800psi
Tensile Modulus	D638	600,000psi	427,000psi
Tensile Elongation	D638	4.2%	4.5%
Flexural Strength	D790	18,300psi	14,900psi
Flexural Modulus	D790	535,000psi	427,000psi
Izod Impact (Notched)	D256	>0.20	>0.20
Hardness, Rockwell M	D785	M-103	M-100
<b>Optical</b>			
Light Transmittance	D1003	92%	92%
Haze	D1003	1.6%	1.0%
Refractive Index	D542	1.49	1.49
Yellowness Index	-	+0.5 Initial	+0.5 Initial
<b>Thermal</b>			
Heat Deflection Temp.	D648 (264psi)	194°F	203°F
Coefficient of Expansion	D696	6x10 <sup>-5</sup> in/in °F	3x9 <sup>-5</sup> in/in °F
Thermal Conductivity	177	1.12 BTU-in/hr-ft <sup>2</sup> -°F	1.12 BTU-in/hr-ft <sup>2</sup> -°F
Flammability 0.125"	D635	1.20in/min	1.45in/min
Ignition Temperature	D1929	820°F	750°F
<b>Electrical</b>			
Dielectric Strength	D149	400V/mil	420V/mil
Arc Resistance	D495	No Tracking	No Tracking
<b>Miscellaneous</b>			
Water Absorption 24 Hrs	D570	0.2%	0.3%
Smoke Density; 0.125"	D2843	5.7%	13.5%
Specific Gravity	D542	1.18	1.19