



LUCITE® CPX

LUCITE® CPX is produced using a unique manufacturing process which creates an acrylic sheet with the highest molecular weight of any extruded sheet available. This product excels when extra craze resistance, resistance to gumming during cutting/machining and hot strength during forming are required. LUCITE® CPX is an excellent product to consider when an application needs a balance of enhanced physical properties and cost efficiency.

Benefits:

- Higher molecular weight than standard extruded acrylic
- Ease of processing cutting, drilling and forming
- Improved resistance to crazing

Product Offering:

- Clear and colored sheets available
- Thermoforming film masking on two sides

Standard Sizes:

- 48", 60" wide x 96" length
- 51", 63", 75" wide x 100" length
- 72" wide x 120" length

Physical Properties	ASTM	CPX Units/Value
Mechanical		
Tensile Strength	D638	10,800psi
Tensile Modulus	D638	478,000psi
Tensile Elongation	D638	6.0%
Flexural Strength	D790	15,900psi
Flexural Modulus	D790	470,000psi
Cantilever Beam Impact (unnotched)	D4812	4.0 ft•lb/in
Hardness, Rockwell M	D785	M-98
Optical		
Light Transmittance	D1003	92%
Haze	D1003	1.0%
Refractive Index	D542	1.49
Thermal		
Hot Forming Temperature	–	290°F-340°F
Coefficient of Expansion	D696	36.0 x10 ⁻⁵ in/in °F
Heat Distortion Temperature	D648	198°F
Combustibility		
Self Ignition Temperature	D1929	900°F
Flash Ignition Temperature	D1929	730°F
Smoke Density; 0.125"	D2843	2.8%
Horizontal Burn Rate	D635	0.49"/min