

OPTIX LD ACRYLIC SHEET

Optix ld acrylic sheet is available in a wide variety of colors with superior light diffusion properties. Visible hot spots and luminance fluctuations are eliminated without affecting the light transmission properties. This continuously processed, high quality acrylic sheet delivers impact and weather resistance, and is ideal for almost any type of fabrication or glazing. Optix ld acrylic sheets are available in a wide range of thicknesses (0.040" - 1.00") And sizes, as well as run-to-size.

Call customer service for details.

APPLICATIONS

Pop Displays, Skylights, Sunrooms
And Signs

Typical Properties*

Property	Test Method	Units	Values
PHYSICAL			
Specific Gravity/Relative Density	ASTM D792	-	1.19
Light Transmission, 7328 White LD	ASTM D1003	%	28
Water Absorption	ASTM D570	%	0.4
MECHANICAL			
Tensile Strength	ASTM D638	psi	11,030
Tensile Modulus of Elasticity	ASTM D638	psi	490,000
Flexural Strength	ASTM D790	psi	17,000
Izod Impact Strength - Notched	ASTM D256	ft-lb/in	0.4
Rockwell Hardness	ASTM D785	-	M-95
THERMAL			
Maximum Recommended Continuous Service Temperature	-	°F	170-190
Deflection Temperature @ 264 psi (1.8 MPa)	ASTM D648	°F	203
Deflection Temperature @ 66 psi (0.45 MPa)	ASTM D648	°F	207
Coefficient of Thermal Expansion	ASTM D696	in/in/°F	3.0x10 ⁻⁵
Flammability (Burning Rate)	ASTM D635	in/minute	1.0
Smoke Density Rating	ASTM D2843	%	3.4
Self-Ignition Temperature	ASTM D1929	°F	833

*Typical properties are not intended for specification purposes

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PLASTICS

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These suggestions and data are based on information we believe to be reliable. They are offered in good faith, but without guarantee, as conditions and methods of use are beyond our control. We recommend that the prospective user determines the suitability of our materials and suggestions before adopting them on a commercial scale.

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PLASKOLITE

400 W Nationwide Blvd, Suite 400
Columbus, OH 43215
800.848.9124 • Fax: 877.538.0754
plaskolite@plaskolite.com
www.plaskolite.com

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