

# OPTIX NG Light Matte acrylic sheet

OPTIX NG Light Matte is a non-glare acrylic sheet. Unlike glass, it's shatter-resistant, lightweight and translucent, which makes it ideal for interior and exterior glazing in large frames or any situation where shattering glass would be a safety concern. Available in 0.080" - 0.177" thickness, with run-to-size and protective masking options.

## APPLICATIONS

Signage, silk-screening, and point-of-purchase displays

Typical Properties*			
Property	Test Method	Units	Values
<b>PHYSICAL</b>			
Specific Gravity/Relative Density	ASTM D792	-	1.19
Water Absorption	ASTM D570	%	0.4
<b>MECHANICAL</b>			
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
<b>THERMAL</b>			
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 <sup>-5</sup>
Flammability (Burning Rate)	ASTM D635	in/minute	1.0
Flammability	UL 94	-	HB
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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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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