

OPTIX 99 ACRYLIC SHEET

OPTIX 99 acrylic sheet has an ultra-light matte finish that minimizes unwanted glare in a variety of lighting conditions, without hindering the view of your framed artwork, graphic or photograph. Half the weight of glass, and shatter resistant, OPTIX 99 is the ideal glazing choice for a variety of framing applications. Available in gauges 1.52 -3.18mm and run-to-size is an option. Contact Customer Service for details.

APPLICATIONS

POP displays and directional signage

TYPICAL METRIC PROPERTIES*			
Property	Test Method	Units	Values
PHYSICAL			
Specific Gravity/Relative Density	ASTM D792	-	1.19
Light Transmission -Total	ASTM D1003	%	>91
Water Absorption	ASTM D570	%	0.4
MECHANICAL			
Tensile Strength	ASTM D638	MPa	76
Tensile Modulus of Elasticity	ASTM D638	MPa	3380
Flexural Strength	ASTM D790	MPa	117
Izod Impact Strength - Notched	ASTM D256	J/cm	0.21
THERMAL			
Maximum Recommended Continuous Service Temperature	-	°C	77-88
Softening Temperature	-	°C	99-104
Deflection Temperature @ 1.82 MPa	ASTM D648	°C	95
Deflection Temperature @ 0.46 MPa	ASTM D648	°C	97
Coefficient of Thermal Expansion	ASTM D696	cm/cm/°C	5.4 x10 ⁻⁵
Flammability (Burning Rate)	ASTM D635	cm/minute	2.54
Smoke Density Rating	ASTM D2843	%	3.4
Self-Ignition Temperature	ASTM D1929	°C	445

*Typical properties are not intended for specification purposes

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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