

OPTIX THICK GAUGE ACRYLIC SHEET

OPTIX Thick Gauge acrylic sheet is crystal clear and impact resistant. This thick gauge sheet is an excellent sheet product for interior and exterior applications, and is available in 12.7mm to 25.4mm gauge, in clear and colors. Custom colors and run-to-size are also available. Call Customer Service for details.

APPLICATIONS

Point-of-purchase displays, furniture and architectural glazing

TYPICAL METRIC PROPERTIES*

Property	Test Method	Units	Values
PHYSICAL			
Specific Gravity/Relative Density	ASTM D792	-	1.19
Optical Refractive Index	ASTM D542	-	1.49
Light Transmission - Total	ASTM D1003	%	92
Light Transmission - Haze	ASTM D1003	%	2
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
Rockwell Hardness	ASTM D785	-	M-95
THERMAL			
Maximum Recommended Continuous Service Temperature	-	°C	77-88
Softening Temperature	-	°C	98-104
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
Flammability	UL 94	-	HB
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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PDS395_OPX_Thick_Metric