

Product Data - OPTIX Acrylic Nonglare Heavy & Light Matte



OPTIX NG Heavy Matte is a non-glare translucent acrylic sheet. Unlike glass, it's shatter-resistant and lightweight, which makes it ideal for indoor and outdoor glazing in large frames or any situation where shattering glass would be a safety concern.

APPLICATIONS

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

TYPICAL PROPERTIES*

Property	Test Method	Units	Values
PHYSICAL			
Specific Gravity/Relative Density	ASTM D 792	–	1.19
Water Absorption	ASTM D 570	%	0.4
MECHANICAL			
Tensile Strength	ASTM D 638	psi	11,030
Tensile Modulus of Elasticity	ASTM D 638	psi	490,000
Flexural Strength	ASTM D 790	psi	17,000
Izod Impact Strength – Notched	ASTM D 256	ft-lb/in	0.4
THERMAL			
Maximum Recommended Continuous Service Temperature	–	°F	170-190
Deflection Temperature @ 264 psi (1.8 MPa)	ASTM D 648	°F	203
Deflection Temperature @ 66 psi (0.45 MPa)	ASTM D 648	°F	207
Coefficient of Thermal Expansion	ASTM D 696	in/in/°F	3.0x10 ⁻⁵
Flammability (Burning Rate)	ASTM D 635	in/minute	1.0
Flammability	UL 94	–	HB
Smoke Density Rating	ASTM D 2843	%	3.4
Self-Ignition Temperature	ASTM D 1929	°F	833

*Typical properties are not intended for specification purposes

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