

OPTIX-R ACRYLIC SHEET

OPTIX-R (Renewable) acrylic sheet is a continuously processed clear acrylic sheet with up to 95% post-industrial recycled acrylic. It is the ideal option where use of recycled content is required. OPTIX-R has excellent sheet dimensional control, and can be fabricated using standard plastic fabrication methods. Available in gauges 0.118", 0.177", 0.220" in sheet size 48" x 96". Run-to-size is an option. Contact Customer Service for details.

APPLICATIONS

Point-of-purchase displays, lighting, signage, picture framing, glazing, transportation

TYPICAL PROPERTIES*

Property	Test Method	Units	Values
PHYSICAL			
Specific Gravity/Relative Density	ASTM D792	-	1.19
Light Transmission -Total	ASTM D1003	%	91
MECHANICAL			
Tensile Strength	ASTM D638	psi	10,500
Tensile Modulus of Elasticity	ASTM D638	psi	471,000
Flexural Strength	ASTM D790	psi	17,100
Flexural Modulus of Elasticity	ASTM D790	psi	486,000
Izod Impact Strength - Milled Notched	ASTM D256	ft-lb/in	0.25
THERMAL			
Deflection Temperature @ 264 psi (1.8 MPa)	ASTM D648	°F	194
Deflection Temperature @ 66 psi (0.45 MPa)	ASTM D648	°F	213
Flammability (Burning Rate)	ASTM D635	in/minute	1.2
Smoke Density Rating	ASTM D2843	%	9.0
Self-Ignition Temperature	ASTM D1929	°F	833
Flammability	UL 94	-	HB

*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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