

OPTIX UVF ACRYLIC

OPTIX UVF extruded acrylic has enhanced ultraviolet (UV) filtering properties, and absorbs up to 98% of damaging UV light. When used in framing applications, it will minimize art, prints and documents from fading, yellowing or becoming brittle. It is the perfect choice for applications with high optical and weathering requirements. It is impact resistant, and does not shatter into sharp-edged pieces, which makes it a good alternative to glass.

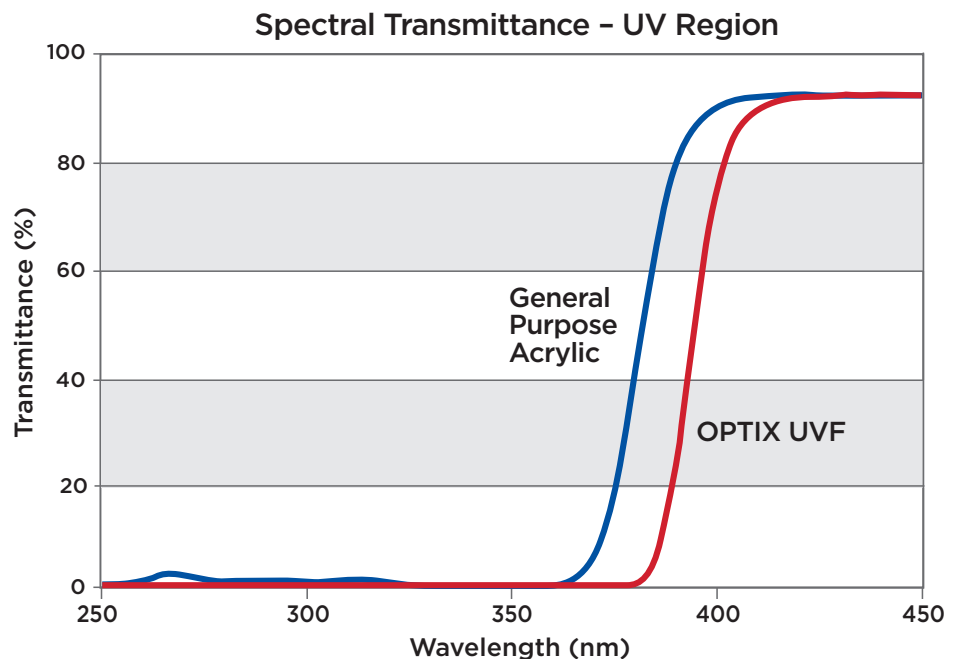
OPTIX UVF is available as a clear sheet in a range of gauges and sizes.

APPLICATIONS

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

TYPICAL PROPERTIES

Property	Test Method	Units	Values
PHYSICAL/OPTICAL			
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	%	0.40
MECHANICAL			
Tensile Strength	ASTM D638	psi	11,000
Tensile Modulus of Elasticity	ASTM D638	psi	490,000
Flexural Strength	ASTM D790	psi	17,000
Izod Impact Strength - Notch	ASTM D256	ft-lb./in	0.4
Rockwell Hardness	ASTM D785	-	M-95
THERMAL			
Maximum Recommended Continuous Service Temperature	-	°F	170-190
Deflection Temperature @ 264 psi	ASTM D648	°F	203
Deflection Temperature @ 66 psi	ASTM D648	°F	207
Coefficient of Linear Thermal Expansion	ASTM D696	in/in/°F	3.0×10^{-5}
Flammability (Burning Rate)	ASTM D635	in/min	1.0
Smoke Density Rating	ASTM D2843	%	3.4
Self-Ignition Temperature	ASTM D1929	°F	833
Flammability	UL94	-	HB



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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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