

OPTIX UVF

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.

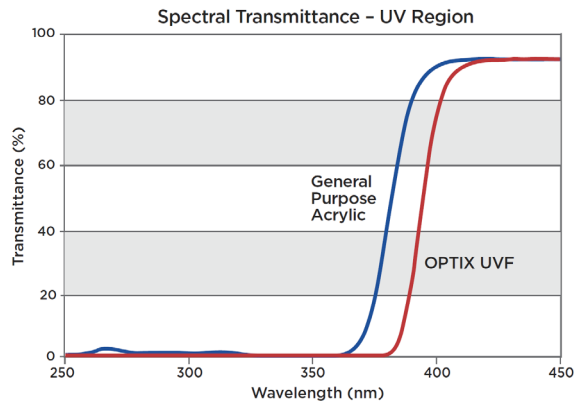
Applications

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

Typical Properties*

Property	Test Method	Units	Values
PHYSICAL			
Specific gravity/relative density	ASTM D 792	-	1.19
Optical refractive index	ASTM D 542	-	1.49
Light transmission – Total	ASTM D 1003	%	92
Light transmission – Haze	ASTM D 1003	%	<2
Water absorption	ADTM D 570	%	0.4
MECHANICAL			
Tensile strength	ASTM D 638	psi	11,000
Tensile modulus of elasticity	ASTM D 638	psi	490,000
Flexural strength	ASTM D 790	psi	17,000
Izod impact strength – Notch	ASTM D 256	ft-lbs/in	0.4
Rockwell hardness	ASTM D 785	-	M-95
THERMAL			
Maximum recommended continuous service temperature		°F	170-190
Deflection temperature @ 264 psi	ASTM D 648	°F	203
Deflection temperature @ 66 psi	ASTM D 648	°F	207
Coefficient of linear thermal expansion	ASTM D 696	in/in/°F	3.0x10 ⁻⁵
Flammability (burning rate)	ASTM D 635	in/min	1.0
Smoke density rating	ASTM D 2843	%	3.4
Self-ignition temperature	ASTM D 1929	°F	833
Flammability	UL 94	-	HB

*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.