

Polycast Ultraviolet Filtering Acrylics

Polycast carries a full line of UV filtering products: UF-96 (clear edge), UF-3 (yellow edge color), UF-4 (slightly yellow edge color), and amber colored acrylics. Polycast UV protecting acrylics are available in a wide variety of thicknesses and sheet sizes, including 4'x8', 5'x8', 6'x8', & 6'x10'. An S-A-R (Super Abrasion Resistant) hardcoat is also available. With Polycast you have options to virtually eliminate all harmful ultraviolet rays that damage your valuables.

For more information, contact your nearest authorized Polycast distributor or Polycast Inside Sales @ 1-800-243-9002.

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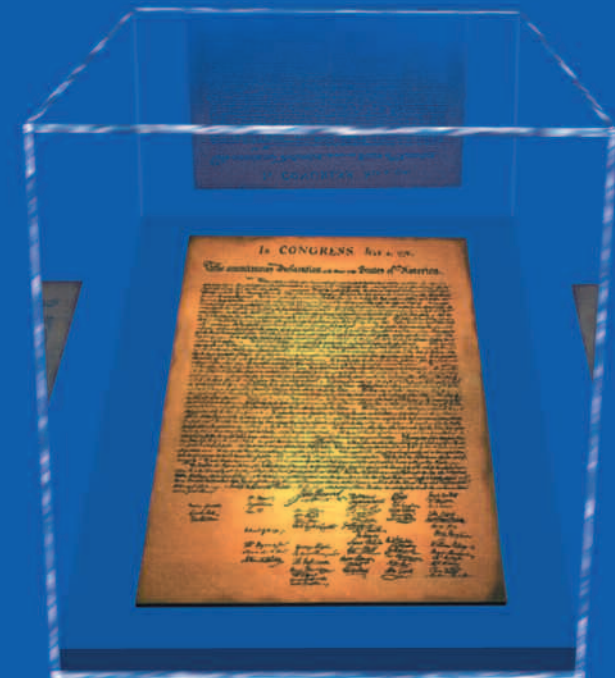
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POLYCAST®

CELL CAST ACRYLIC

Clear Perfection

**UF-96 CLEAR ACRYLIC SHEET
&
THE FAMILY OF ULTRAVIOLET FILTERING
PRODUCTS**



*The perfect way to
protect your valuable art,
documents, and artifacts*

Protect your most valuable possessions from one of their worst enemies: Ultraviolet Light

Light, produced naturally or artificially, is needed to sustain life on this planet... But this same light can be very harmful

The wavelength of light is measured in nanometers (billionths of a meter). Light with short wavelengths causes more structural damage and fading of colors in organic materials than light with longer

wavelengths. Ultraviolet (UV) radiation is considered to be the range of light between 200nm and 400nm. The atmosphere filters out most of the sun's UV radiation below 300nm, but the remaining UV light (between 300nm and 400nm) can cause significant damage. Artificial light sources can also contribute some amount of UV light in this harmful wavelength range. So what is the best way to clearly exhibit items, yet protect them from the harmful UV rays of light?

Polycast's UF-96 Clear Ultraviolet Filtering Acrylic Sheet

UF-96 offers the clearest attractive medium for use in displaying and protecting your most important valuables, and the pleasing clear edge enhances the integrity and visual aesthetics of your exhibit. There are certain amber colored acrylics that offer a slightly higher level of UV protection, but they do not provide the "clear" effect of the UF-96.

Spectral Curve

The graph illustrates the blocking effectiveness of UF-96 as compared to other products, with the Percent Transmission axis signifying the light transmission of the acrylic at a given wavelength. Light below 400nm is considered to be ultraviolet. As you can see, almost all of the ultraviolet rays are blocked by UF-96, giving you the clearest, strongest guardian for your items.



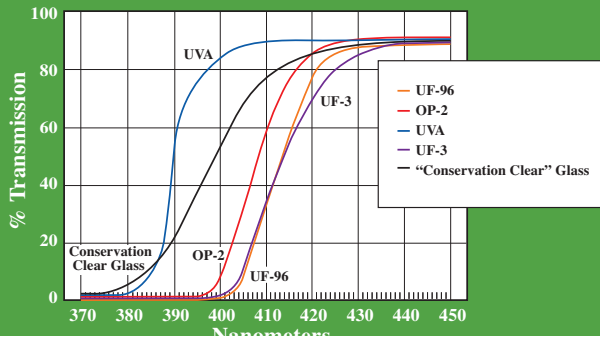
The history of our nation displayed.

Visually Attractive, Yet So Easy To Fabricate

UF-96 can be cut, drilled, or routed using standard woodworking tools, and it can also be screenprinted and thermoformed. Because of the optical clarity and clear color of UF-96, nearly invisible glue joints can be attained, giving the impression of a singular entity protecting any item you choose.

Another benefit of UF-96, as well as UF-3 & UF-4, clear acrylic sheet is safety. UF-96 has as much as **five times the impact resistance and half the weight of glass**, as well as superior UV protection. The advantage is clear. You can feel secure that not only is your possession being protected from UV light damage, but it is also confined in a secure environment.

Comparison of UV Filtering Materials 0.250 inches thick



UF-96 & UF-3 have the lowest Relative Damage Factor (RDF) & UF-96 has the lowest Yellowness Index (YI) offering the most protection for document & artwork preservation.