ACRYLITE® UV filtering (OP3)

Ultimate protection against damaging UV light

**Product**

ACRYLITE® UV filtering (OP3) provides the highest protection against damaging UV light in the market today. Used by professional picture framers and museums around the world, ACRYLITE® UV filtering (OP3) is a continuously manufactured acrylic with built-in protection rather than a coated surface.

**Benefits**

- Highest UV filtering protection
- Exceptional optical clarity
- Safe – half the weight of glass
- 10–20 times more resistant to impact
- Easier to handle and install
- More economical to ship

**Standard Product Offering**

ACRYLITE® UV filtering (OP3) is available in the following sizes and thicknesses:

- Size: 48x96, 51x100, and 72x96
- Thickness: .098”, .118”, .177”

Other sheet dimensions may be in stock or can be manufactured.

**Processing**

ACRYLITE® UV filtering (OP3) can be easily fabricated. The same cutting, routing, drilling, and forming techniques used with ACRYLITE® FF can be performed on ACRYLITE® UV filtering (OP3). Refer to ACRYLITE® extruded technical briefs for specific details.

**Protection**

Sunlight, halogen and fluorescent lights as well as oxygen and moisture in the air are all potential and real hazards to paper and other artistic mediums. Fabrics and paper become brittle, fade in color or turn yellow when exposed to harmful UV light. This damage is permanent and irreversible.
Many times, narrow UV light ranges and thicker acrylic sheet measurements are used to boost the claim of UV filtering performance. ACRYLITE® UV filtering (OP3) measures its protection against the ASTM D 4802 standard which defines UV filtering as limiting the transmission of UV radiation through the acrylic sheet to less than 5% in the 200nm to 400nm range (i.e. blocking greater than 95% of the UV light). ACRYLITE® UV filtering (OP3) far exceeds this requirement and is the clear choice for preservation against the harsh UV elements.

Data based on 3mm thick samples for evaluation to Standard ASTM D 4802 - 10

**The ACRYLITE® Advantage**

In the image below, the photo on the left is framed with ACRYLITE® UV filtering (OP3) acrylic sheet and the photo on the right is framed with a competitive acrylic product claiming to be 99% UV filtering. The same photo is now shown with a UV black light. The photo on the right fluoresces under the radiation of UV light while the photo framed with ACRYLITE® UV filtering (OP3) remains dark; indicating higher protection against UV light.

---

![Normal Light Conditions](image)

![UV Black Light Test](image)
This information and all further technical advice is based on our present knowledge and experience. However, it implies no liability or other legal responsibility on our part, including with regard to existing third party intellectual property rights, especially patent rights. In particular, no warranty, whether expressed or implied, or guarantee of product properties in the legal sense is intended or implied. We reserve the right to make any changes according to technical progress or further developments. The customer is not released from the obligation to conduct careful inspection and testing of incoming goods. Performance of the product described herein should be verified by testing, which should be carried out only by qualified experts in the sole responsibility of a customer. Reference to trade names used by other companies is neither a recommendation, nor does it imply that similar products should be used.

Evonik Industries is a worldwide manufacturer of PMMA products sold under the ACRYLITE® trademark in the Americas and under the PLEXIGLAS® trademark in the European, Asian, African, and Australian continents. © Evonik Cyro LLC. All rights reserved.

Printed in the USA.

Evonik Cyro LLC
299 Jefferson Road,
Parsippany, NJ 07054 US

Phone +1800 631 5384
www.acrylite.net www.acrylite-shop.com