

UV Resistance in Clear Polycarbonate

Enclosures and accessory products using clear PC that block UVA radiation

Allied Moulded offers a variety of enclosure products with molded clear covers, windows, and other materials all suitable for indoor or outdoor environments. With new focus on the protection of our clear covers and their ability to protect from UV rays, critical components on or in an enclosure remain unharmed when exposed to exterior conditions. Our clear covers and windows are offered in a variety of products listed below:

AMP, AMU, and (W) Clear Covers

Allied Moulded POLYLINE® (AMP), ULTRALINE® (AMU), and all units with a window option (W) protect from harmful UV rays. Our molded clear cover (CC) units provide full viewing access to interior components in both AMU and AMP products, while our polycarbonate window units (W) provides a viewing area for instruments or equipment inside the enclosure.



HMI Covers & Inspection Windows

HMI cover kits protect critical components installed on the surface of an enclosure. The kits allow for complete access to important switches, components, or HMI displays without ever opening the enclosure. Our inspection windows, when installed on the surface of an enclosure, allow sufficient viewing access to components inside of an enclosure.



To Whom It May Concern,

We have received numerous questions from our customers regarding the UV blocking capability of our polycarbonate windows and molded clear covers. In response to these inquiries we have purchased equipment to test the performance of our clear polycarbonate products. The equipment is an Energy Performance Meter from EDTM.

As a result of our testing we have found that all of Allied Moulded Products' clear polycarbonate products block 100% of the UVA radiation from passing through the material.

If there are additional questions, please do not hesitate to call.

Sincerely,

Brad Rupp
Manager of Technical Operations

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*All testing was performed in a controlled environment under real conditions over a period of time.

TEST METER RESULTS

Our testing results show 0.0% UVA transmission or 100% UVA blocking capability in all clear polycarbonate cover and window options.



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