

UV Transmitting Filters

Glass Fabrication



Coating Deposition



CNC Machining



Strengthening - Chemical & Heat



Screen Printing of Graphics



Abrisa Technologies, a member of HEF Photonics, is a globally recognized technology glass fabrication and optical thin film coating company with expertise in high volume manufacturing and engineering capabilities, delivering Total Solutions that provide excellent performance, fitness-for-use and economies of scale.

Our US based, state-of-the-art ISO 9001:2015 and ITAR registered facilities include Abrisa Industrial Glass in Santa Paula, CA and ZC&R Coatings for Optics in Torrance CA. These two divisions produce solutions from cut-to-order coated glass components to custom complex and ready-to-install fabricated, strengthened, optically coated, electronically enabled and branded sub-assemblies.

Our Total Solutions serve a variety of markets including Micro-Electronics, Defense and Avionics, Display, Industrial Automation, Optical Sensors, Imaging, Photonics, Medical & Dental, Life Science and more.



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Your Total Solution Partner

UV Transmitting Filters

MUG-2:

MUG-2 is a deep violet colored silicate glass. Its principal feature is that it transmits UV radiation in the harmless long wave 360 nm range. Harmful short wave radiation is completely absorbed and light in the visible range is reduced to a minimum.

Applications:

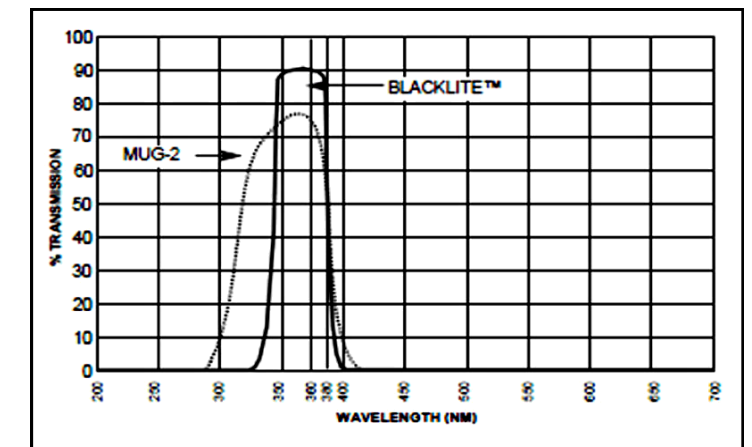
MUG-2 is used as filters in special lamps for the excitation of fluorescent materials. There are applications for this effect in areas as varied as materials testing, publicity and entertainment. In the field of entertainment MUG-2 filters are used to make fluorescent objects visible and to produce striking visual effects.

BLACKLITE® UV Filter:

BlackLite® filters are all dielectric thin films on borosilicate glass and offer some additional features over MUG-2. The transmitted efficiency is superior, which is critical in areas such as forensics, fluorescence and inspection. Because this is a coated filter, rather than a filter glass, heat produced by the light source is allowed to exit through the filter. This lowers overall system temperature and can extend lamp life. Additionally, in high temperature applications where tempered MUG-2 is not adequate, BlackLite® may be suitable due to its Borofloat® substrate. For entertainment lighting MUG-2 is usually specified instead of Blacklite® due to lower cost.

Specifications:

- Substrate:** Borofloat® Borosilicate Float Glass
- Thickness:** 0.125" (others available on request)
- Size:** 24" Diameter Maximum



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