

Filter Handling

1 Handling

Preferred handling is with plastic or teflon-coated tweezers. If handling by hand, wear gloves or finger cots. Filters are AR coated on both optical surfaces - avoid touching or contacting these coated surfaces.

2 Cleaning

If necessary, clean filters using optical-grade acetone (99.5% pure) or optical-grade Isopropyl Alcohol (99.9% pure), filtered to 0.2 μ m. Drag a clean optical tissue soaked in solvent across surface. Avoid abrasion of optical surfaces.

3 UV Exposure

VHG filter glass is sensitive to UV light, including sunlight and UV curing sources.

Avoid exposure to sunlight. If using a UV curing source, we strongly recommend physical shielding of the filters to limit exposure to UV. We also recommend spectral shielding of the filters from UV emissions below 350nm. If using a broadband source (e.g. mercury lamp) you may use a bandpass filter to attenuate all wavelengths below 350nm. Alternatively, you may use a narrow-band LED source that operates above 350nm (e.g. 365nm). Please contact Ondax if you need more details.

Filters exposed to UV may become discolored. If this occurs, please contact Ondax for technical assistance.

4 Operating Temperature

Recommended filter operating temperature is <200°C. Please contact Ondax for technical assistance, if you wish to operate filters above 200°C.

5 Traceability

Individual filters are not generally marked (unless specified on the PO), but filter lots are shipped in containers labeled with the part number and lot code. Ondax maintains complete traceability on all filters by lot code.

6 Filter Orientation

Some filters are orientation-sensitive – orientation must be determined by comparing filter dimensions against mechanical drawing. Some large filters may have a chamfered corner for orientation – see data sheet for more information.

7 AR Coating Specification

Filter Anti-Reflection Coating meets the criteria of MIL-C-675C.