

| glass sheet polarizer              |                  |
|------------------------------------|------------------|
| <b>colorPol® UV 380 BC4 008764</b> |                  |
| <b>linear UV-polarizer</b>         | Date: 21.10.2021 |

Wavelength range with **contrast > 100 000 : 1**  
(Contrast = ratio of parallel and perpendicular transmittance)  
Transmittance (uncoated)

372 to 388 nm  
> 52 % up to 57 %

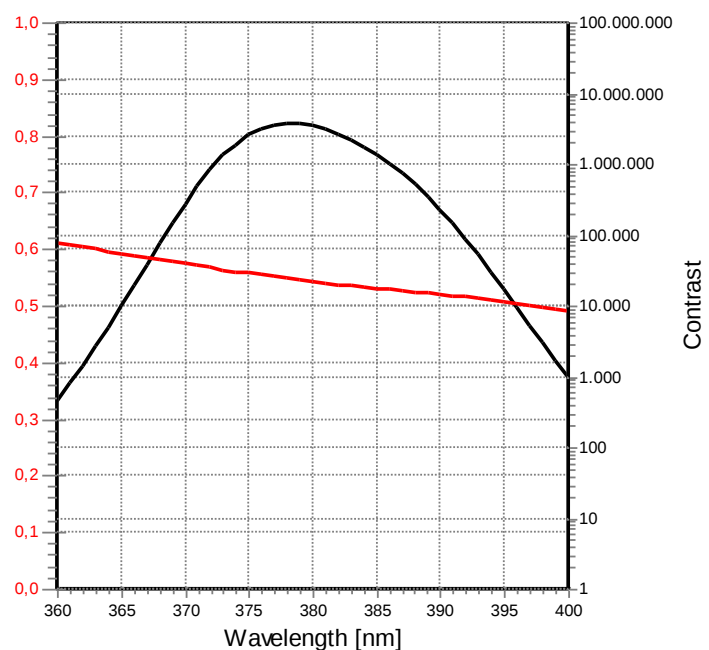
Wavelength range with **contrast > 10 000 : 1**  
Transmittance (uncoated)

369 to 390 nm  
> 52 % up to 58 %

Wavelength range with **contrast > 1 000 : 1**  
Transmittance (uncoated)

365 to 395 nm  
> 51 % up to 59 %

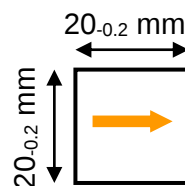
Spectral response



Filter thickness

$2.0 \pm 0.2$  mm

Filter size



➔ Polarization (electric field vector of transmitted light)

Clear aperture

95 % of surface dimension

Surface imperfections (scratch / dig)

40 / 20 (MIL-O-13830A)

Polarization axis

< 0.5° to edge

Wavefront distortion (Ø10 mm)

<  $\lambda/4$  at 633 nm

Acceptance angle

$\pm 20^\circ$

Operating temperature

-20 .. +120 °C

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