

## 50mm Dia. UV Polarizing Film



Stock #72-682 **5 In Stock**

⊖ 1 ⊕ €137.<sup>00</sup>

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Volume Pricing	
Qty 1-9	€137,00 each
Qty 10-25	€109,20 each
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ⓘ Prices shown are exclusive of VAT/local taxes

### Product Downloads

### General

Linear Polarizer

Type:

Note:

Outer 0.5mm edge is not functional due to loss of transparency during laser cutting. Delivered with protective film and paper overlayer on both sides marked to show polarization axis

### Physical & Mechanical Properties

Diameter (mm):

50.00 ±0.2

0.19 (Nominal) **Thickness (mm):**

Polarizing Film **Construction:**

## Optical Properties

Uncoated **Coating:**

1000:1 (avg @ 325nm-400nm)  
6000:1 (avg @ 400nm-750nm) **Extinction Ratio:**

CTA (Cellulose Triacetate) **Substrate:**

320 - 750 **Wavelength Range (nm):**

39 (325nm-400nm) **Transmission, Single (%):**

0.04 (325nm-400nm) **Transmission, Crossed (%):**

## Environmental & Durability Factors

Heat Resistance: 70°C dry  
Cold Resistance: -20°C **Operating Temperature (°C):**

DIN ISO 9022-2-10-07  
DIN ISO 9022-2-11-05  
DIN ISO 9022-2-12-07  
DIN ISO 9022-2-14-05 **Environmental Durability:**

15 - 25 **Storage Temperature (°C):**

## Regulatory Compliance

[Compliant](#) **RoHS 2015:**

[View](#) **Certificate of Conformance:**

[Compliant](#) **Reach 253:**

## Product Details

- High UV Transmission from 325 - 400nm
- 1000:1 Contrast From 325 - 400nm, 6000:1 Contrast From 400 - 750nm
- Thin, Versatile Polymer Substrate

Ultraviolet (UV) Linear Polarizing Film provides excellent contrast, and transmission up to 39% for P-Polarized Light in the UV and VIS ranges from 325-750nm. A range of rectangular sizes are available to accommodate small and large beam diameters as well as LED light sources. Ultraviolet (UV) Linear Polarizing Films are made with a durable, robust film substrate that is flexible and can be cut to size using scissors. This polarizing film is a cost-effective alternative to glass UV polarizers, and are ideal for use in industrial sensing, spectroscopy, and microscopy applications. [Near-Infrared \(NIR\) Linear Polarizing Film](#) and Visible [TECHSPEC High Contrast Linear Polarizing Film \(XP42\)](#) are also available.