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50mm Dia. UV Polarizing Film



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

- 1 + £109.⁶⁰

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Volume Pricing

Qty 1-9	£109.60 each
Qty 10-25	£87.36 each
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i 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

50.00 ±0.2	Diameter (mm):
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 251:

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.