

12.5mm Dia. UV Polarizing Film



Stock #72-679 **3 In Stock**

⊖ 1 ⊕ £30²⁰

ADD TO CART

Volume Pricing	
Qty 1-9	£30.20 each
Qty 10-25	£24.00 each
Need More?	Request Quote

ⓘ 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):

12.00 ±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.