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50mm Dia. UV Polarizing Film



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

1 MRP ₹13,823

 Price inclusive of all taxes

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Volume Pricing	
Qty 1-9	₹13,823 each
Qty 10-25	₹11,018 each
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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

Thickness (mm):

0.19 (Nominal)

Construction:

Polarizing Film

Optical Properties

Coating:

Uncoated

Extinction Ratio:

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

Substrate:

CTA (Cellulose Triacetate)

Wavelength Range (nm):

320 - 750

Transmission, Single (%):

39 (325nm-400nm)

Transmission, Crossed (%):

0.04 (325nm-400nm)

Environmental & Durability Factors

Operating Temperature (°C):

Heat Resistance: 70°C dry
Cold Resistance: -20°C

Environmental Durability:

DIN ISO 9022-2-10-07
DIN ISO 9022-2-11-05
DIN ISO 9022-2-12-07
DIN ISO 9022-2-14-05

Storage Temperature (°C):

15 - 25

Regulatory Compliance

RoHS 2015:

[Compliant](#)

Certificate of Conformance:

[View](#)

Reach 251:

[Compliant](#)

Country of Origin:

Germany

Imported By:

Edmund Optics India Private Limited
267, Greystone Building, Second Floor,
6th Cross Rd, Binnamangala,
Stage 1, Indiranagar, Bengaluru,
Karnataka, India 560038
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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.