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50mm Dia. UV Polarizing Film

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

- 1 + **S$191**.80

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Volume Pricing	
Qty 1-9	**S$191.80** each
Qty 10-25	**S$152.88** each
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General

Type:

Linear Polarizer

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 253:
Compliant

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.

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