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## 25mm Dia. UV Polarizing Film



Stock #72-681 **15 In Stock**

- 1 + £42.<sup>00</sup>

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### Volume Pricing

|            |                               |
|------------|-------------------------------|
| Qty 1-9    | £42.80 each                   |
| Qty 10-25  | £33.92 each                   |
| Need More? | <a href="#">Request Quote</a> |

**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

|                 |                        |
|-----------------|------------------------|
| 25.00 ±0.2      | <b>Diameter (mm):</b>  |
| 0.19 (Nominal)  | <b>Thickness (mm):</b> |
| Polarizing Film | <b>Construction:</b>   |

## Optical Properties

|  |                                   |
|--|-----------------------------------|
| Uncoated   | <b>Coating:</b>                   |
| 1000:1 (avg @ 325nm-400nm)<br>6000:1 (avg @ 400nm-750nm) | <b>Extinction Ratio:</b>          |
| CTA (Cellulose Triacetate)                               | <b>Substrate:</b> □               |
| 320 - 750  | <b>Wavelength Range (nm):</b>     |
| 39 (325nm-400nm)   | <b>Transmission, Single (%):</b>  |
| 0.04 (325nm-400nm)                                       | <b>Transmission, Crossed (%):</b> |

## Environmental & Durability Factors

|  |                                    |
|--|------------------------------------|
| Heat Resistance: 70°C dry<br>Cold Resistance: -20°C  | <b>Operating Temperature (°C):</b> |
| DIN ISO 9022-2-10-07<br>DIN ISO 9022-2-11-05<br>DIN ISO 9022-2-12-07<br>DIN ISO 9022-2-14-05 | <b>Environmental Durability:</b>   |
| 15 - 25  | <b>Storage Temperature (°C):</b>   |

## Regulatory Compliance

|                           |                                    |
|---------------------------|------------------------------------|
| <a href="#">Compliant</a> | <b>RoHS 2015:</b>                  |
| <a href="#">View</a>      | <b>Certificate of Conformance:</b> |
| <a href="#">Compliant</a> | <b>Reach 251:</b>                  |

## 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.