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**TECHSPEC® 25.4mm Dia., VIS Coated, Linear Glass Polarizer (XP42)**



Stock #19-651 **20+ In Stock**

- 1 + C\$235<sup>.20</sup>

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Volume Pricing	
Qty 1-9	C\$235.20 each
Qty 10-25	C\$210.28 each
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**General**

Linear Polarizer **Type:**

**Physical & Mechanical Properties**

25.40 **Diameter (mm):**

2.00 ±0.10 **Thickness (mm):**

+0.00/-0.20 **Dimensional Tolerance (mm):**

Laminated Glass Polarizing Film **Construction:**

## Optical Properties

VIS AR Coated **Coating:**

9000:1 @ 546nm **Extinction Ratio:**

**XP42** Laminated Between Glass **Substrate:** □

45 @ 546nm **Transmission (%):**

$R_{avg} < 0.5\%$  @ 425 - 700nm **Coating Specification:**

425 - 700 **Wavelength Range (nm):**

>99.98 @ 546nm **Polarization Efficiency (%):**

## Environmental & Durability Factors

-10 to +55 **Operating Temperature (°C):**

## Regulatory Compliance

**Compliant** **RoHS 2015:**

**View** **Certificate of Conformance:**

**Compliant** **Reach 235:**

## Product Details

- Uncoated and Visible AR Coated Options
- >99.98% Polarization Efficiency
- 42% Transmission for Uncoated and 45% Transmission for AR Coated Versions
- XP42 **Plastic** and **Film** Also Available

TECHSPEC® High Contrast Glass Linear Polarizers (XP42) are a high transmission, high efficiency solution that are ideal for a broad range of industrial and laboratory applications. Featuring a >99.98% polarization efficiency and an extinction ratio of 9000:1, these polarizers are constructed with an **XP42 high contrast linear polarizing film** laminated between two pieces of optical grade glass. TECHSPEC High Contrast Glass Linear Polarizers (XP42) are available uncoated or with a visible AR coating that provides increased transmission from 425 – 700nm. Typical single filter transmission with randomly polarized incident light is 42% for the uncoated options and 45% for the AR coated options.

## Custom

Edmund Optics offers comprehensive custom manufacturing services for optical and imaging components tailored to your specific application requirements. Whether in the prototyping phase or preparing for full-scale production, we provide flexible solutions to meet your needs. Our experienced engineers are here to assist—from concept to completion.

Our capabilities include:

- Custom dimensions, materials, coatings, and more
- High-precision surface quality and flatness
- Tight tolerances and complex geometries
- Scalable production—from prototype to volume

Learn more about our [custom manufacturing capabilities](#) or submit an inquiry [here](#).