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**TECHSPEC® 15mm Dia., VIS Coated, Linear Glass Polarizer (XP42)**



Stock #19-648 **5 In Stock**

⊖ 1 ⊕ ₹10,510

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**General**

Linear Polarizer **Type:**

**Physical & Mechanical Properties**

15.00 **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<sub>avg</sub> <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:**

Japan

**Country of Origin:**

Edmund Optics India Private Limited

**Imported By:**

## 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](#).