

TECHSPEC® 25mm Dia., VIS Coated, Linear Glass Polarizer (XP42)



Stock #19-650 13 In Stock

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+

€168<sup>,00</sup>

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| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-9        | €168,00 each                  |
| Qty 10-25      | €150,20 each                  |
| Need More?     | <a href="#">Request Quote</a> |

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 Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Linear Polarizer

Type:

Physical & Mechanical Properties

25.00

Diameter (mm):

2.00 ±0.10

Thickness (mm):

|                                      |  |
|--------------------------------------|--|
| Dimensional Tolerance (mm):          |  |
| +0.00/-0.20                          |  |
| Construction:                        |  |
| Laminated Glass Polarizing Film      |  |
| Optical Properties                   |  |
| Coating:                             |  |
| VIS AR Coated                        |  |
| Extinction Ratio:                    |  |
| 9000:1 @ 546nm                       |  |
| Substrate: <input type="checkbox"/>  |  |
| XP42 Laminated Between Glass         |  |
| Transmission (%):                    |  |
| 45 @ 546nm                           |  |
| Coating Specification:               |  |
| R <sub>avg</sub> <0.5% @ 425 - 700nm |  |
| Wavelength Range (nm):               |  |
| 425 - 700                            |  |
| Polarization Efficiency (%):         |  |
| >99.98 @ 546nm                       |  |
| Environmental & Durability Factors   |  |
| Operating Temperature (°C):          |  |
| -10 to +55                           |  |
| Regulatory Compliance                |  |
| RoHS 2015:                           |  |
| Compliant                            |  |
| Certificate of Conformance:          |  |
| View                                 |  |
| Reach 235:                           |  |
| Compliant                            |  |

## 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](#).