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**TECHSPEC® 600 x 450mm Linear Polarizer (XP42-70)**



Stock #19-949 **12 In Stock**

⊖ 1 ⊕ ₹21,253

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Volume Pricing	
Qty 1-10	₹21,253 each
Qty 11+	₹17,672 each
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**General**

Linear Polarizer **Type:**

**Note:**  
Polarization axis can be identified as follows:  
Circular Parts - Parallel to direction of notch on polarizer  
Square Parts - Parallel to mark on protective film  
Rectangular Parts - Parallel to first listed dimension

**Physical & Mechanical Properties**

**Dimensions (mm):**

600.0 x450.0 ±5.0

0.72 ±0.1 **Thickness (mm):**

Polarizing Film on PMMA **Construction:**

## Optical Properties

up to 9000:1 (nominal at 555nm) **Extinction Ratio:**

[Polymer Film XP42-70](#) **Substrate:** □

Single: 42 ±2  
Parallel: 36.4  
Crossed: <0.004 (nominal at 555nm) **Transmission (%):**

400 - 700 **Wavelength Range (nm):**

>99.98 (nominal at 555nm) **Polarization Efficiency (%):**

<±5 **Transmission Variance after 1000 Hours (%):**

## Environmental & Durability Factors

-10 to +60 **Operating Temperature (°C):**

≤80% (no condensation) **Operating Humidity:**

## 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

- High Transmission of Unpolarized Light from 400 – 700nm
- Excellent Extinction Ratio of 9000:1
- Available in Custom Sizes
- [High-Temperature](#) Options Also Available

Ideal for a range of imaging applications, TECHSPEC® High Contrast Linear Polarizing Film (XP42) features an excellent extinction ratio and high transmission from 400 – 700nm. This polarizing film is offered in multiple thicknesses; thicker polarizing film has increased rigidity. Available in sheets, TECHSPEC® High Contrast Linear Polarizing Film (XP42) can be cut to fit any application need.

**Note:** Polarizer Film with adhesive available.

### Immediate Custom Quotes Available

If you have a need for any round, square, or rectangular size of a TECHSPEC High Contrast Linear Polarizing Film (XP42) in dimensions between 3mm and 600mm, please visit our [Polarizing Film Tool](#). We'll provide an immediate quote, and can deliver the part to your requested size in approximately 3 weeks. A full list of standard manufacturing tolerances and restrictions are listed. For fully customized polymer polarizers to your requirements, visit our [Customized Polymer Polarizers Capabilities](#) page.

## Technical Information



