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**TECHSPEC® 25mm Dia. Linear Polarizing Film (XP42-40)**



Stock #29-501 **20+ In Stock**

- 1 + MRP ₹2,144

Price inclusive of all taxes

**ADD TO CART**

Volume Pricing	
Qty 1-10	₹2,144 each
Qty 11-25	₹1,805 each
Need More?	<a href="#">Request Quote</a>

Product Downloads

**General**

Linear Polarizer **Type:**

Polarization axis is parallel to notch on polarizer edge **Note:**

**Physical & Mechanical Properties**

25.00 +0.0/-0.3 **Diameter (mm):**

**Thickness (mm):**

0.40 ±0.05

Polarizing Film **Construction:**

## Optical Properties

**Coating:**  
Uncoated, Protective Film on Both Sides

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

**Substrate:**   
[Polymer Film XP42-40](#)

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

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

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

**Transmission, Single (%):**  
42 ±2

**Transmission, Parallel (%):**  
36.4

**Transmission, Crossed (%):**  
<0.004 (nominal at 555nm)

## Regulatory Compliance

**RoHS 2015:**  
[Compliant](#)

**Certificate of Conformance:**  
[View](#)

**Reach 235:**  
[Compliant](#)

**Country of Origin:**  
Japan

**Imported By:**  
Edmund Optics India Private Limited  
267, Greystone Building, Second Floor,  
6th Cross Rd, Binnamangala,  
Stage 1, Indiranagar, Bengaluru,  
Karnataka, India 560038  
Phone: +91- 80-6845 0000

## 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



