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**TECHSPEC® 50 x 50mm Linear Polarizing Film (XP42-18)**



Stock #86-178 CLEARANCE **20+ In Stock**

MRP ₹2,018

Price inclusive of all taxes

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Volume Pricing	
Qty 1+	₹2,018 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):**  
 50.0 x 50.0 +0.0/-0.5

0.19 ±0.03 **Thickness (mm):**

Polarizing Film **Construction:**

## Optical Properties

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

[Polymer Film XP42-18](#) **Substrate:** □

Single: 42  
Parallel: 36  
Crossed: <0.004 (nominal at 555nm) **Transmission (%):**

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

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

## Environmental & Durability Factors

-40 to +80 **Operating Temperature (°C):**

80 x 500 **Heat Resistance (°C x Hours):**

## Regulatory Compliance

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

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

[Contains SVHC\(s\)](#) **Reach 235:**

Japan **Country of Origin:**

**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

