

**TECHSPEC® 50 x 50mm Linear Polarizer (XP42-70)**



Stock **#19-943** **20+ In Stock**

⊖ 1 ⊕ £22<sup>00</sup>

**ADD TO CART**

Volume Pricing	
Qty 1-10	£22.20 each
Qty 11-25	£18.72 each
Need More?	<a href="#">Request Quote</a>

**i** Prices shown are exclusive of VAT/local taxes

Product Downloads

**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**

50.0 x 50.0 +0.0/-0.5	<b>Dimensions (mm):</b>
0.72 ±0.1	<b>Thickness (mm):</b>

Polarizing Film on PMMA	<b>Construction:</b>
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## Optical Properties

up to 9000:1 (nominal at 555nm)	<b>Extinction Ratio:</b>
<a href="#">Polymer Film XP42-70</a>	<b>Substrate:</b> □

Single: 42 ±2 Parallel: 36.4 Crossed: <0.004 (nominal at 555nm)	<b>Transmission (%):</b>
400 - 700	<b>Wavelength Range (nm):</b>

>99.98 (nominal at 555nm)	<b>Polarization Efficiency (%):</b>
<±5	<b>Transmission Variance after 1000 Hours (%):</b>

## Environmental & Durability Factors

-10 to +60	<b>Operating Temperature (°C):</b>
≤80% (no condensation)	<b>Operating Humidity:</b>

## Regulatory Compliance

<a href="#">Compliant</a>	<b>RoHS 2015:</b>
<a href="#">View</a>	<b>Certificate of Conformance:</b>
<a href="#">Compliant</a>	<b>Reach 235:</b>

## 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

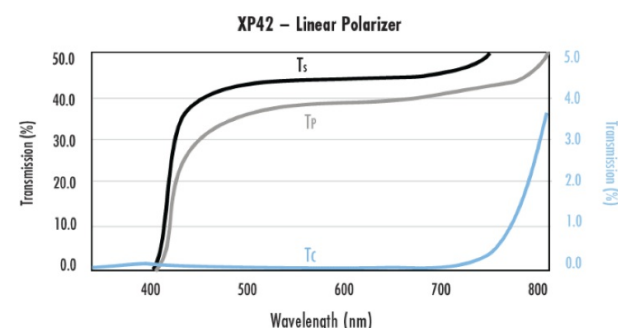
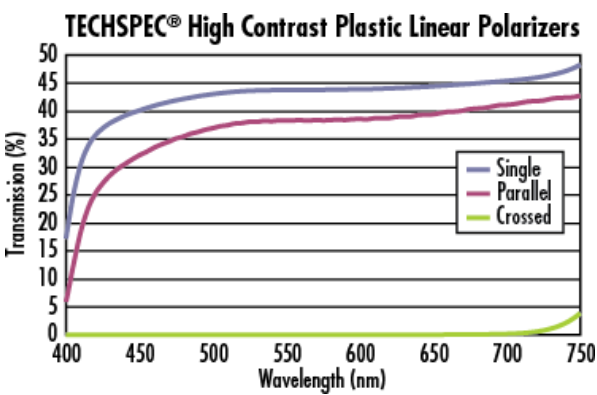
Ideal for a range of imaging applications, TECHSPEC® High Contrast Linear Polarizing Film (XP42) features an excellent extinction ratio and high transmission from 400 – 700nm. This polarizing film is offered in multiple thicknesses; thicker polarizing film has increased rigidity. Available in sheets,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



XP44 - Linear Polarizer

