

TECHSPEC® 100 x 100mm Linear Polarizer (XP42-70)



Stock #19-944 **20+ In Stock**

⊖ 1 ⊕ £39²⁰

ADD TO CART

Volume Pricing	
Qty 1-10	£39.20 each
Qty 11-25	£33.04 each
Need More?	Request Quote

ⓘ 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

100.0 x 100.0 +1.0/-1.0 **Dimensions (mm):**

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:**

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

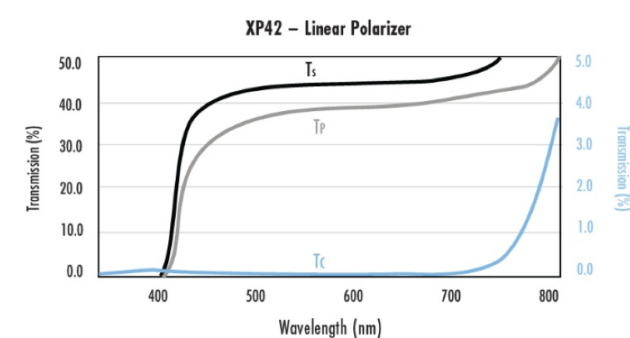
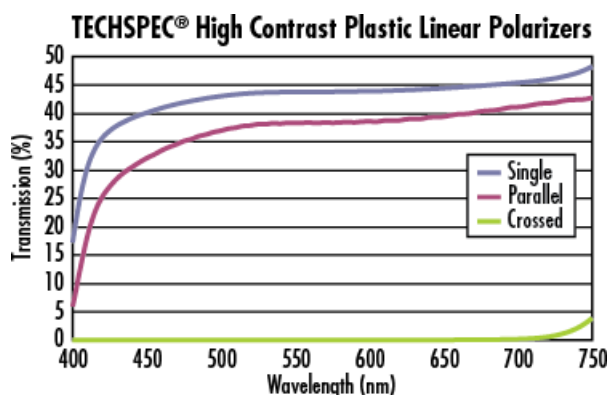
Ideal for a range of imaging applications, TECHSPEC® High Contrast Linear Polarizing Film (XP42) features an excellent extinction ratio and high transmission from 400 – 700nm. This polarizing film is offered in multiple thicknesses; thicker polarizing film has increased rigidity. Available in sheets,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

