

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



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

⊖ 1 ⊕ £39⁰⁰

ADD TO CART

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

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

100.0 x 100.0 +1.0/-1.0	Dimensions (mm):
0.72 ±0.1	Thickness (mm):

Polarizing Film on PMMA	Construction:
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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

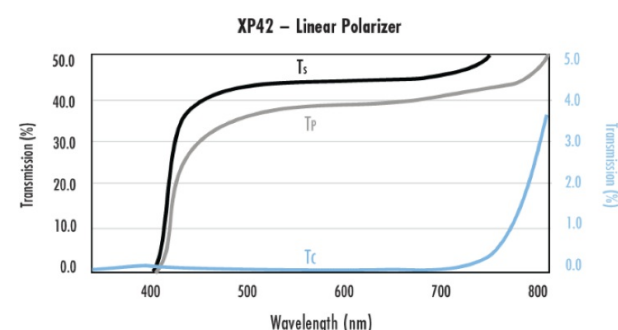
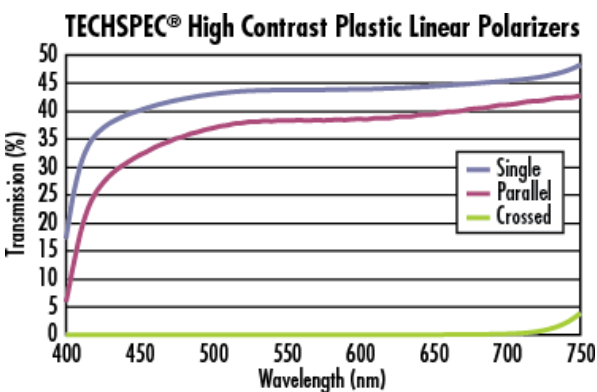
Ideal for a range of imaging applications, TECHSPEC® High Contrast Linear Polarizing Film (XP42) features an excellent extinction ratio and high transmission from 400 – 700nm. This polarizing film is offered in multiple thicknesses; thicker polarizing film has increased rigidity. Available in sheets,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

