

TECHSPEC® 12.5mm Dia. Linear Polarizer (XP42-70)



Stock #19-940 **20+ In Stock**

MRP ₹1,918

Price inclusive of all taxes

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Volume Pricing	
Qty 1-10	₹1,918 each
Qty 11-25	₹1,584 each
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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

12.50 +0.0/-0.3 **Diameter (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:**

Japan **Country of Origin:**

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 **Imported By:**

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



