

[See all 72 Products in Family](#)

TECHSPEC® 40mm Dia. Linear Polarizing Film (XP42-100)



Stock #71-368 **14 In Stock**

- 1 + A\$44.⁰⁰

ADD TO CART

Volume Pricing	
Qty 1-10	A\$44.40 each
Qty 11-25	A\$35.52 each
Need More?	Request Quote

Product Downloads

General

Linear Polarizer **Type:**

Polarization axis is parallel to notch on polarizer edge **Note:**

Physical & Mechanical Properties

40.00 +0.0/-0.3 **Diameter (mm):**

1.02 ±0.25 **Thickness (mm):**

Polarizing Film on PMMA

Construction:

Optical Properties

Coating:

Uncoated, protective film on both sides

Extinction Ratio:

9000:1 (nominal at 555nm)

Substrate:

Polymer Film XP42-100

Transmission (%):

Single: 42 ±2
Parallel: 36.4
Crossed: <0.004 (nominal at 555nm)

Wavelength Range (nm):

400 - 700

Polarization Efficiency (%):

>99.98 (nominal at 555nm)

Transmission, Single (%):

42 ±2

Transmission, Parallel (%):

36.4

Transmission, Crossed (%):

<0.004 (nominal at 555nm)

Environmental & Durability Factors

Operating Temperature (°C):

-10 to +60

Regulatory Compliance

RoHS 2015:

Compliant

Certificate of Conformance:

[View](#)

Reach 247:

Compliant

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

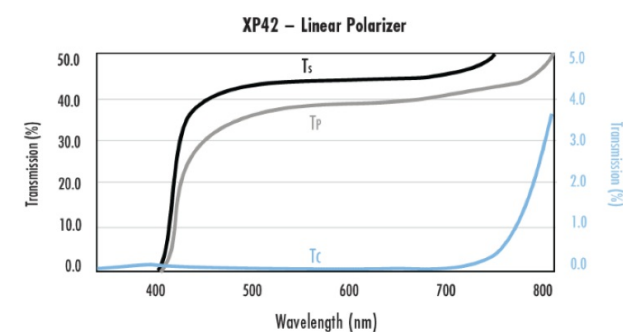
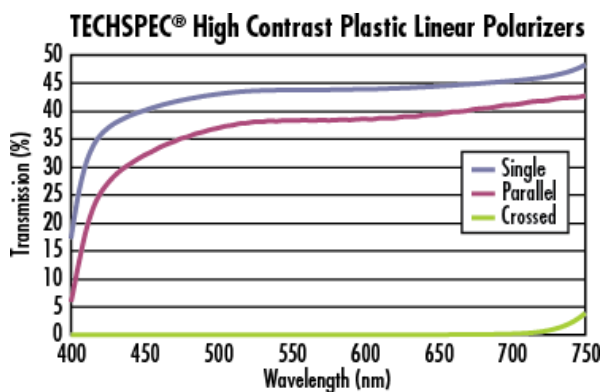
Ideal for a range of imaging applications, TECHSPEC® High Contrast Linear Polarizing Film (XP42) features an excellent extinction ratio and high transmission from 400 – 700nm. This polarizing film is offered in multiple thicknesses; thicker polarizing film has increased rigidity. Available in sheets,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

