

TECHSPEC®

150 x 150mm Linear Polarizer (XP42-70)



Stock **#19-945** [CONTACT US](#)

-

1

+

₹4,982

ADD TO CART

Qty 1-10

₹4,982

Qty 11+

₹4,126

Volume Pricing

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Product Downloads

SPECIFICATIONS

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

150.0 x 150.0 +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.

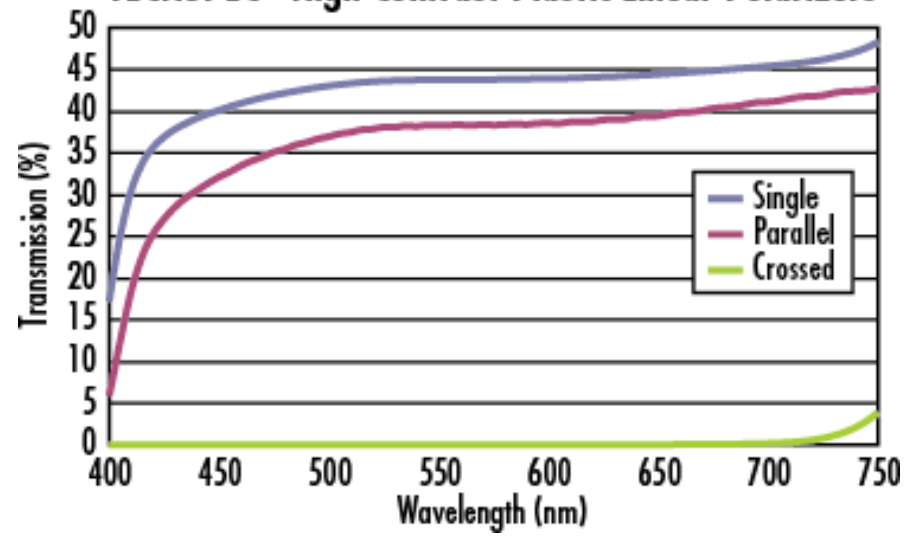
Note: Polarizer Film with adhesive available.

Immediate Custom Quotes Available

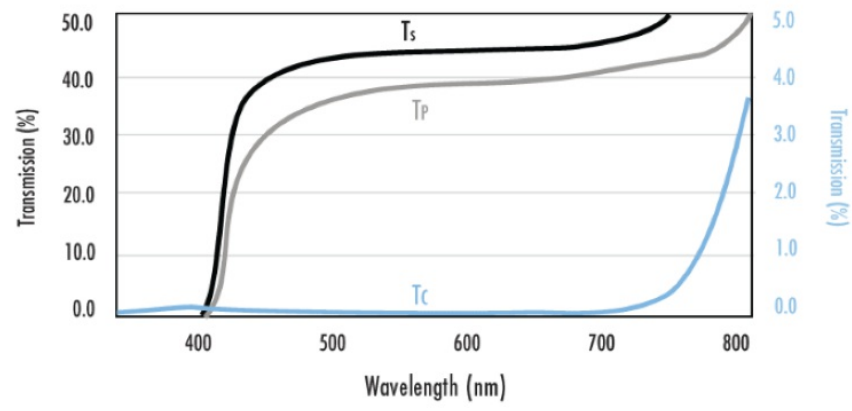
If you have a need for anyround, square, or rectangular size of a TECHSPEC High Contrast Linear Polarizing Film (XP42) in dimensions between 3mm and 600mm, please visit our [Polarizing Film Tool](#). We'll provide an immediate quote, and can deliver the part to your requested size in approximately 3 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

TECHSPEC® High Contrast Plastic Linear Polarizers



XP42 – Linear Polarizer



XP44 – Linear Polarizer

