

TECHSPEC®

50mm Dia. Linear Polarizer (XP42-100)



Stock

#19-953

20+ In Stock

-

1

+

A\$46⁴⁰

ADD TO CART

Volume Pricing	
Qty 1-10	A\$46.40 each
Qty 11-25	A\$39.36 each
Need More?	Request Quote

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

Diameter (mm):

50.00 +0.0/-0.5	
1.02 ±0.25	Thickness (mm):
Polarizing Film on PMMA	Construction:
Optical Properties	
up to 9000:1 (nominal at 555nm)	Extinction Ratio:
Polymer Film XP42-100	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 247:

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

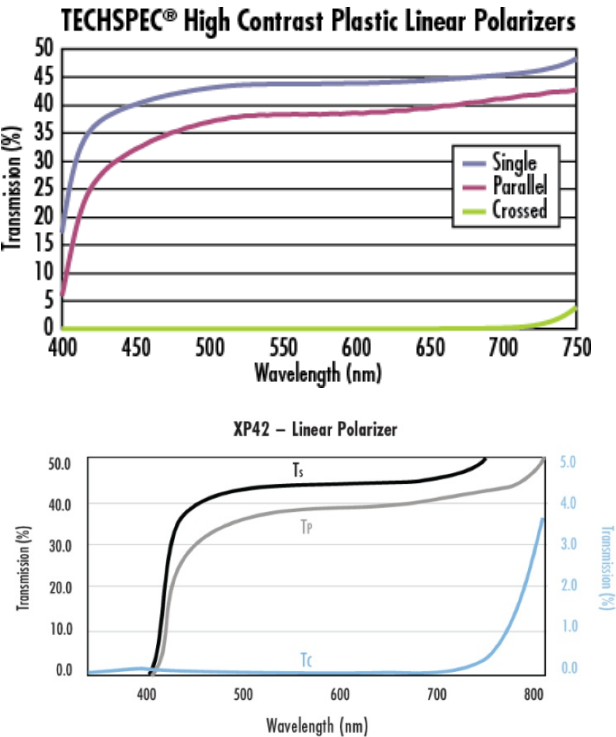
Ideal for a range of imaging applications, TECHSPEC® High Contrast Linear Polarizing Film (XP42) features an excellent extinction ratio and high transmission from 400 – 700nm. This polarizing film is offered in multiple thicknesses; thicker polarizing film has increased rigidity. Available in sheets,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

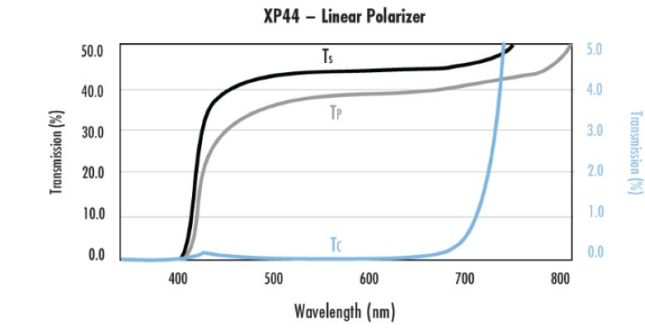
Note: Polarizer Film with adhesive available.

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





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