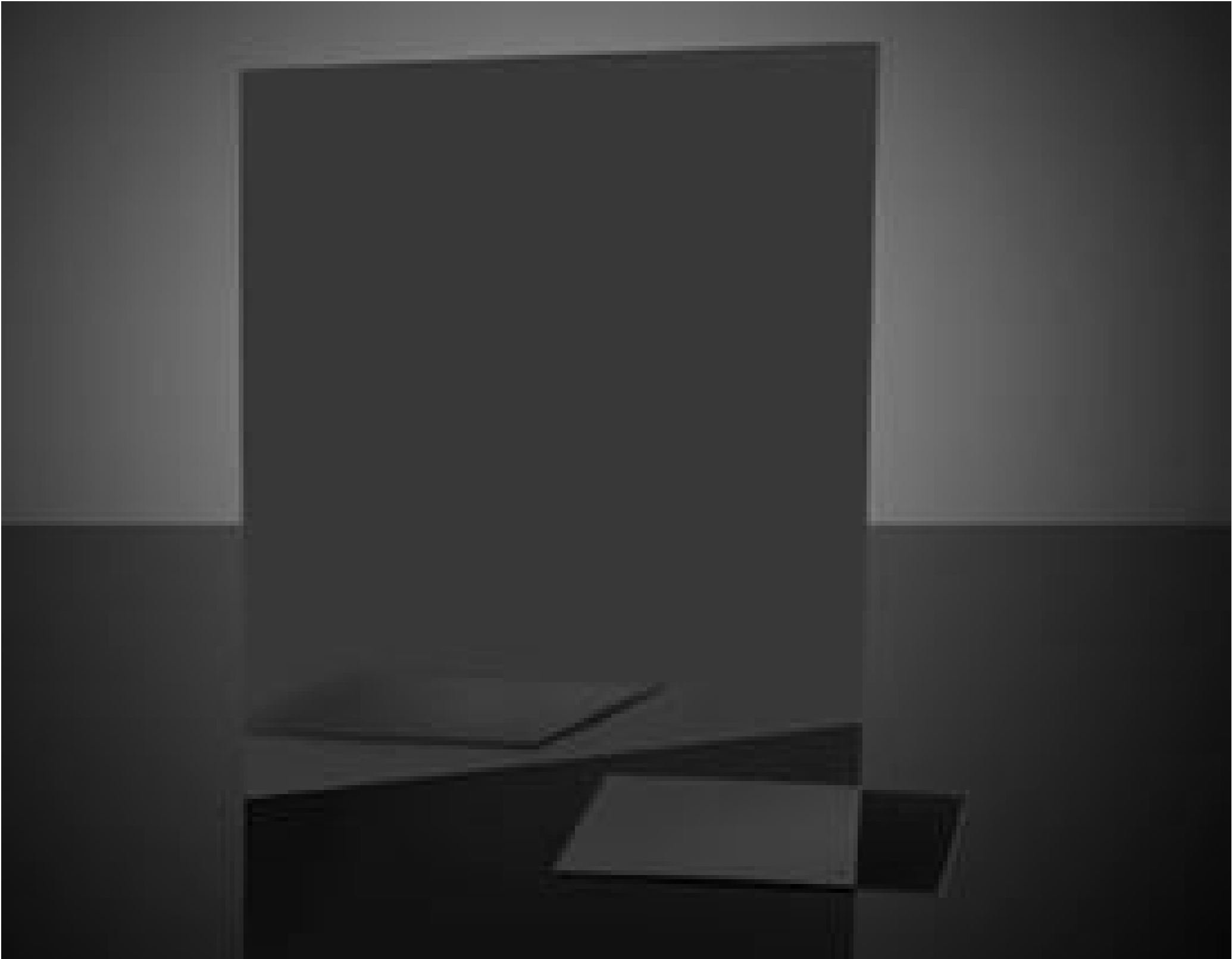


TECHSPEC[®] 300 x 300mm Linear Polarizer (XP42-100)



Stock **#19-958** 6 In Stock

-

1

+

S\$302^{.40}

ADD TO CART

Volume Pricing	
Qty 1-10	S\$302.40 each
Qty 11-25	S\$251.02 each
Need More?	Request Quote

Product Downloads

General

Type:

Linear Polarizer

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

Dimensions (mm):

300.0 x 300.0 ±3.0	
Thickness (mm):	1.02 ±0.25

Construction:	Polarizing Film on PMMA
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Optical Properties

Extinction Ratio:	up to 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 Variance after 1000 Hours (%):	<±5

Environmental & Durability Factors

Operating Temperature (°C):	-10 to +60
Operating Humidity:	≤80% (no condensation)

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

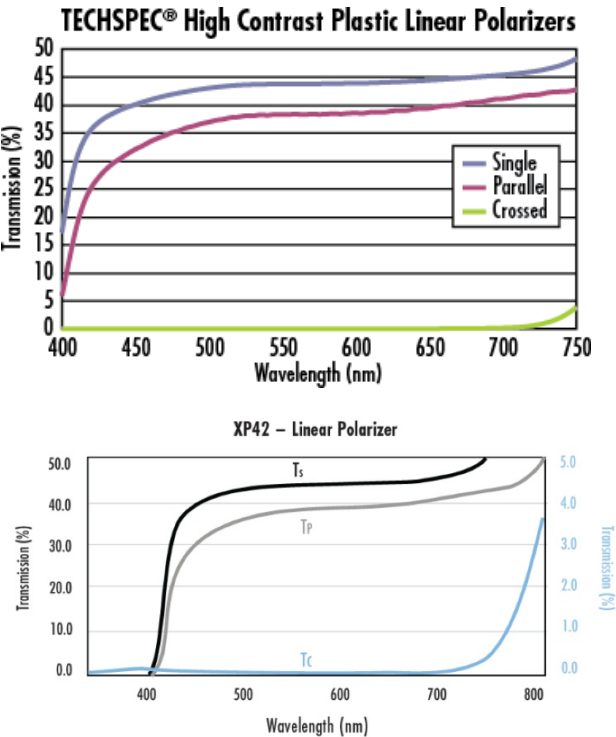
Ideal for a range of imaging applications, TECHSPEC® High Contrast Linear Polarizing Film (XP42) features an excellent extinction ratio and high transmission from 400 – 700nm. This polarizing film is offered in multiple thicknesses; thicker polarizing film has increased rigidity. Available in sheets,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

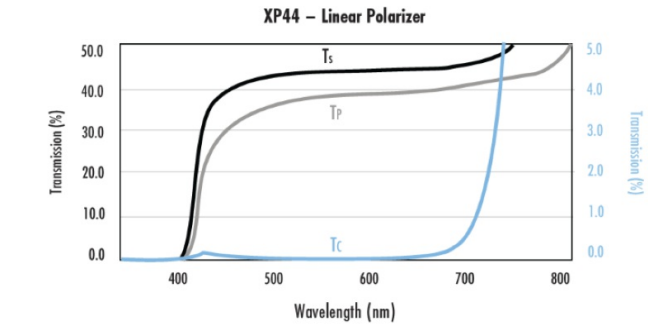
Note: Polarizer Film with adhesive available.

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





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