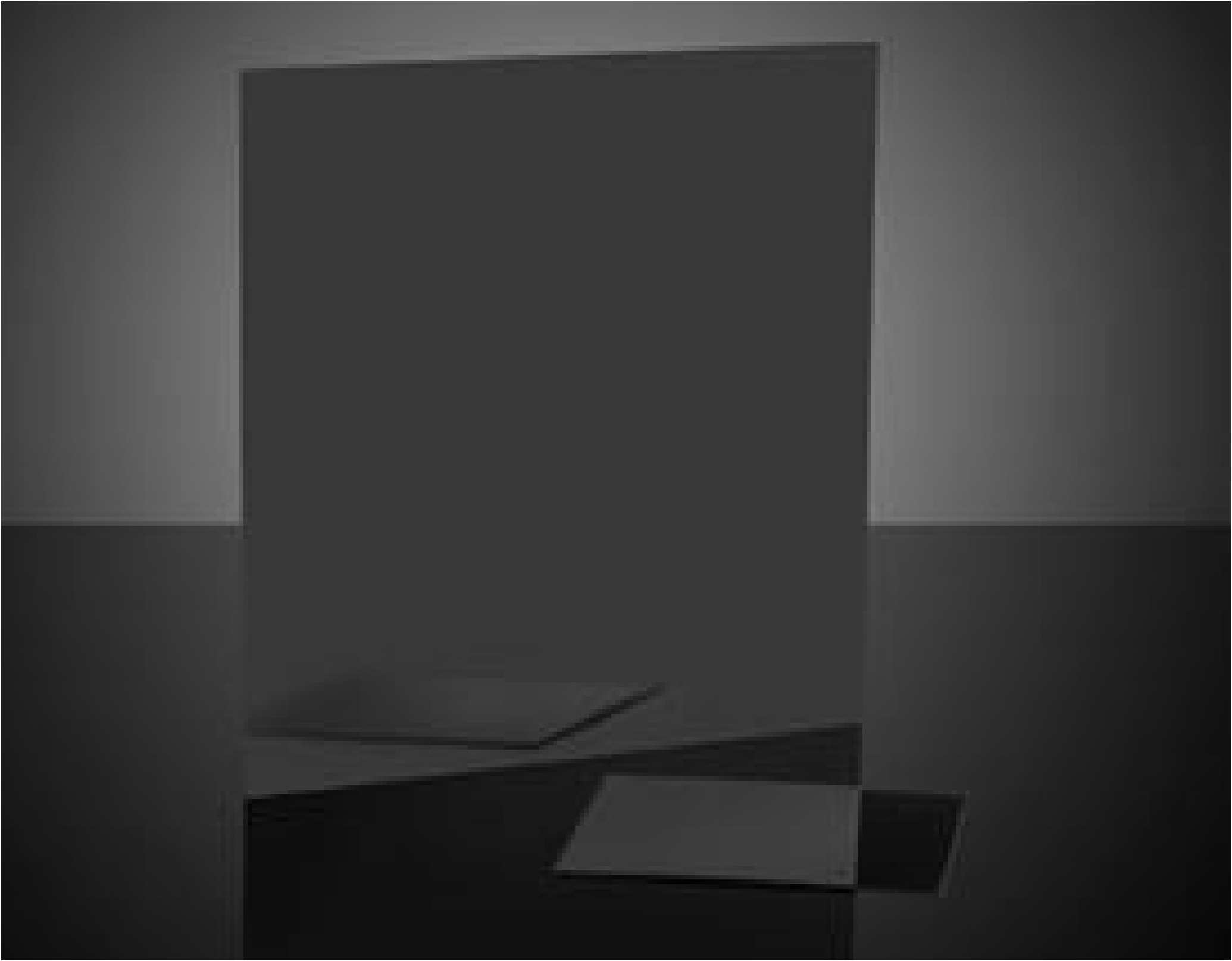


TECHSPEC[®] 50 x 50mm Linear Polarizer (XP42-100)



Stock **#19-954** 2 In Stock

-

1

+

€29^{.00}

ADD TO CART

Volume Pricing	
Qty 1-10	€29,00 each
Qty 11-25	€24,60 each
Need More?	Request Quote

 Prices shown are exclusive of VAT/local taxes

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

	Dimensions (mm):
50.0 x 50.0 +0.0/-0.5	
	Thickness (mm):
1.02 ±0.25	

	Construction:
Polarizing Film on PMMA	

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

