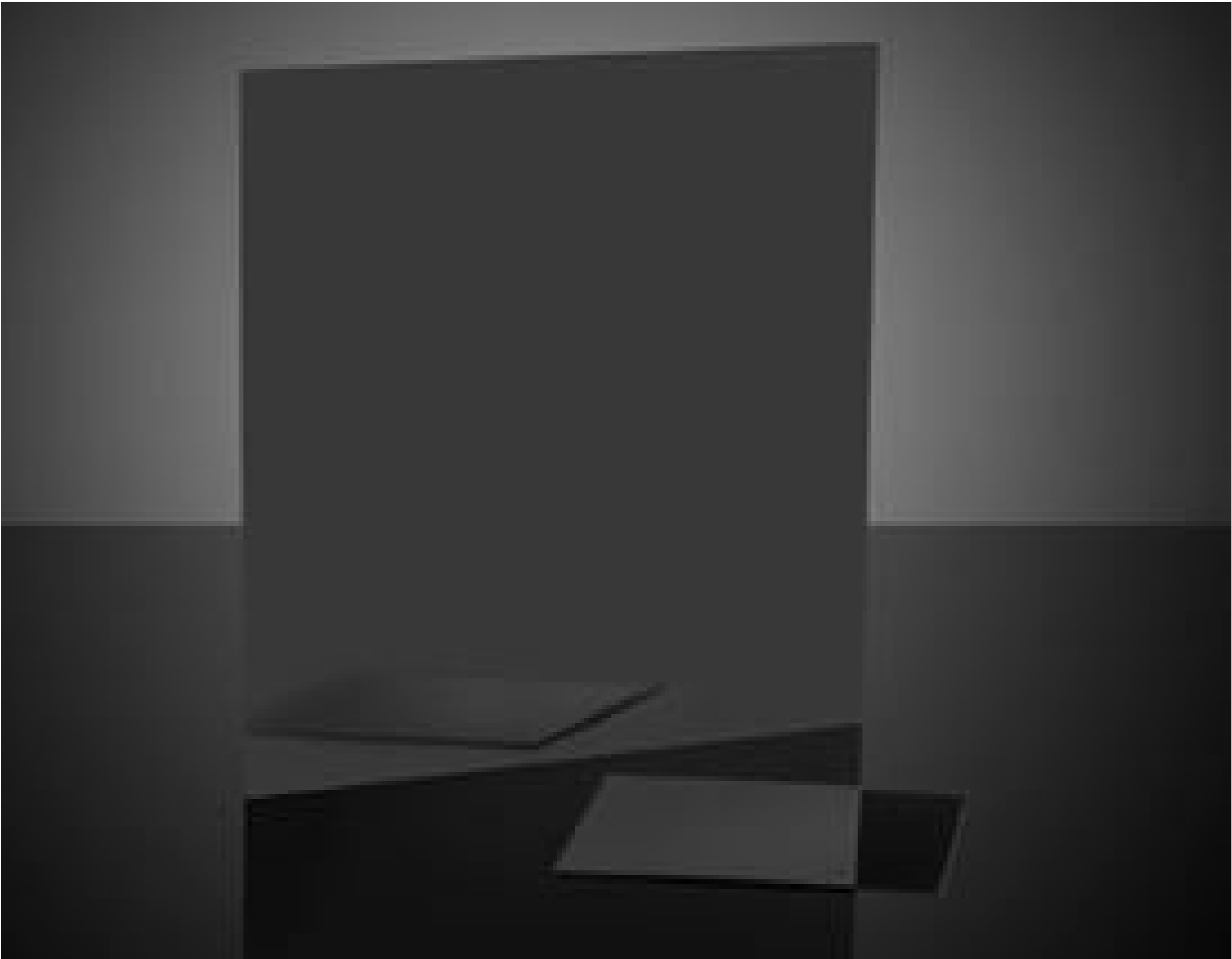


TECHSPEC®

50mm Dia. Linear Polarizer (XP42-70)



Stock #19-942 20+ In Stock

-

1

+

£21^{.89}

ADD TO CART

Volume Pricing	
Qty 1-10	£21.89 each
Qty 11+	£18.39 each
Need More?	Request Quote

Prices shown are exclusive of VAT/local taxes

Product Downloads

SPECIFICATIONS

General

Linear Polarizer

Type:

Polarization axis can be identified as follows:

Note:

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

50.00 +0.0/-0.5 Diameter (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 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

