

TECHSPEC® 12.5mm Dia. Linear Polarizing Film (XP42-18)



Stock #29-488 **3 In Stock**

⊖ 1 ⊕ £14.²⁰

ADD TO CART

Volume Pricing	
Qty 1-10	£14.20 each
Qty 11-25	£10.72 each
Need More?	Request Quote

ⓘ Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Linear Polarizer

Type:

Note:
Polarization axis is parallel to notch on polarizer edge

Physical & Mechanical Properties

12.50 +0.0/-0.3

Diameter (mm):

0.19 ±0.03	Thickness (mm):
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Polarizing Film	Construction:
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Optical Properties

Uncoated, Protective Film on Both Sides	Coating:
9000:1 (nominal at 555nm)	Extinction Ratio:

Polymer Film XP42-18	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 (%):

42 ±2	Transmission, Single (%):
36.4	Transmission, Parallel (%):

<0.004 (nominal at 555nm)	Transmission, Crossed (%):
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Environmental & Durability Factors

-40 to +80	Operating Temperature (°C):
80 x 500	Heat Resistance (°C x Hours):

-40 x 500	Cold Resistance (°C x Hours):
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60 x 90% RH x 500	Humidity Resistance (°C x Hours):
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Regulatory Compliance

Compliant	RoHS 2015:
View	Certificate of Conformance:

Compliant	Reach 247:
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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

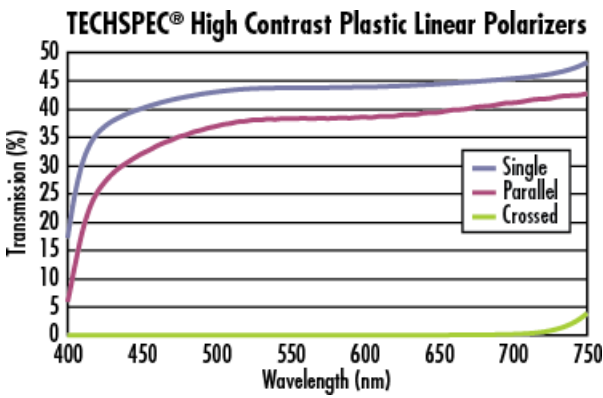
Ideal for a range of imaging applications, TECHSPEC® High Contrast Linear Polarizing Film (XP42) features an excellent extinction ratio and high transmission from 400 – 700nm. This polarizing film is offered in multiple thicknesses; thicker polarizing film has increased rigidity. Available in sheets,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



XP42 – Linear Polarizer



XP44 – Linear Polarizer

