

TECHSPEC[®] 50mm Dia. Linear Polarizing Film (XP42-18)



Stock #29-490 3 In Stock

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S\$37^{.45}

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Volume Pricing	
Qty 1-10	S\$37.45 each
Qty 11-25	S\$32.90 each
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General

Type:

Linear Polarizer

Note:

Polarization axis is parallel to notch on polarizer edge

Physical & Mechanical Properties

Diameter (mm):

50.00 +0.0/-0.5

Thickness (mm):

0.19 ±0.03

Polarizing Film		Construction:
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 (%):
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):
60 x 90% RH x 500		Humidity Resistance (°C x Hours):
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 anyround, 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



