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TECHSPEC® 50 x 50mm Linear Polarizing Film (XP42-18)



Stock #86-178 CLEARANCE **20+ In Stock**

A\$28^{.72}

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Qty 1+	A\$28.72 each
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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

50.0 x 50.0 +0.0/-0.5 **Dimensions (mm):**

0.19 ±0.03 **Thickness (mm):**

Polarizing Film **Construction:**

Optical Properties

9000:1 (nominal at 555nm) **Extinction Ratio:**

[Polymer Film XP42-18](#) **Substrate:** □

Single: 42
Parallel: 36
Crossed: <0.004 (nominal at 555nm) **Transmission (%):**

400 - 700 **Wavelength Range (nm):**

>99.98 (nominal at 555nm) **Polarization Efficiency (%):**

Environmental & Durability Factors

-40 to +80 **Operating Temperature (°C):**

80 x 500 **Heat Resistance (°C x Hours):**

Regulatory Compliance

[Compliant](#) **RoHS 2015:**

[View](#) **Certificate of Conformance:**

[Contains SVHC\(s\)](#) **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

