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**TECHSPEC® 10mm Dia. Linear Polarizing Film (XP42-100)**



Stock #71-364 **20+ In Stock**

- 1 + S\$23<sup>45</sup>

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Volume Pricing	
Qty 1-10	S\$23.45 each
Qty 11-25	S\$18.76 each
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Product Downloads

**General**

Linear Polarizer **Type:**

Polarization axis is parallel to notch on polarizer edge **Note:**

**Physical & Mechanical Properties**

10.00 +0.0/-0.3 **Diameter (mm):**

1.02 ±0.25 **Thickness (mm):**

Polarizing Film on PMMA

**Construction:**

**Optical Properties**

**Coating:**

Uncoated, protective film on both sides

**Extinction Ratio:**

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, Single (%):**

42 ±2

**Transmission, Parallel (%):**

36.4

**Transmission, Crossed (%):**

<0.004 (nominal at 555nm)

**Environmental & Durability Factors**

**Operating Temperature (°C):**

-10 to +60

**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

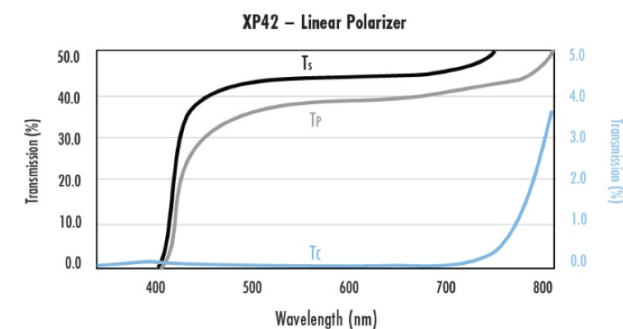
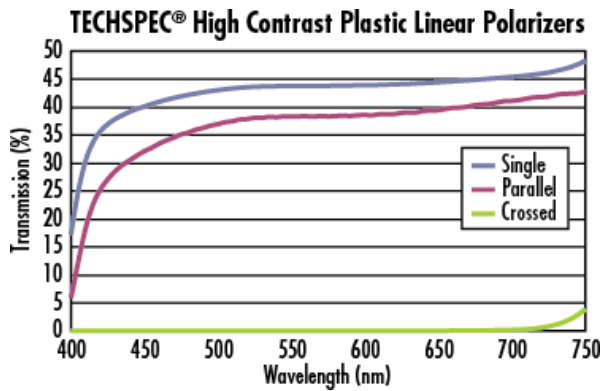
Ideal for a range of imaging applications, TECHSPEC® High Contrast Linear Polarizing Film (XP42) features an excellent extinction ratio and high transmission from 400 – 700nm. This polarizing film is offered in multiple thicknesses; thicker polarizing film has increased rigidity. Available in sheets,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



XP44 - Linear Polarizer

