

[See all 64 Products in Family](#)

## TECHSPEC® 20mm Dia. Linear Polarizing Film (XP42-40)



Stock #71-356 **20+ In Stock**

⊖ 1 ⊕ £16<sup>00</sup>

**ADD TO CART**

### Volume Pricing

Qty 1-10	£16.00 each
Qty 11-25	£12.48 each
Need More?	<a href="#">Request Quote</a>

**i** 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

20.00 +0.0/-0.3

Diameter (mm):

0.40 ±0.05	<b>Thickness (mm):</b>
Polarizing Film on PMMA	<b>Construction:</b>
<b>Optical Properties</b>	
Uncoated, protective film on both sides	<b>Coating:</b>
9000:1 (nominal at 555nm)	<b>Extinction Ratio:</b>
<a href="#">Polymer Film XP42-40</a>	<b>Substrate:</b> □
Single: 42 ±2 Parallel: 36.4 Crossed: <0.004 (nominal at 555nm)	<b>Transmission (%):</b>
400 - 700	<b>Wavelength Range (nm):</b>
>99.98 (nominal at 555nm)	<b>Polarization Efficiency (%):</b>
42 ±2	<b>Transmission, Single (%):</b>
36.4	<b>Transmission, Parallel (%):</b>
<0.004 (nominal at 555nm)	<b>Transmission, Crossed (%):</b>
<b>Environmental &amp; Durability Factors</b>	
-10 to +60	<b>Operating Temperature (°C):</b>
<b>Regulatory Compliance</b>	
<a href="#">View</a>	<b>Certificate of Conformance:</b>

## 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

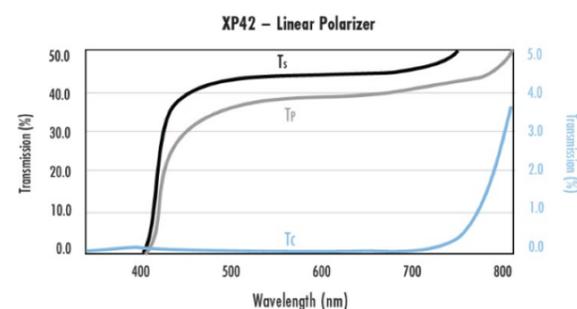
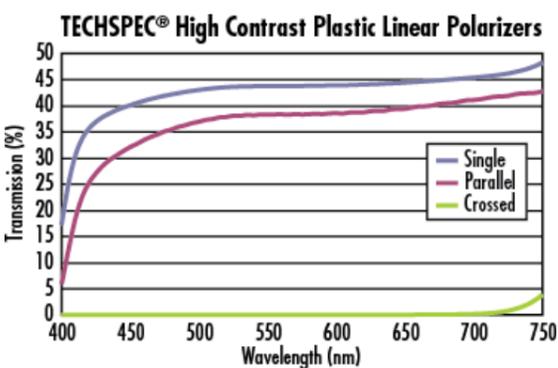
Ideal for a range of imaging applications, TECHSPEC® High Contrast Linear Polarizing Film (XP42) features an excellent extinction ratio and high transmission from 400 – 700nm. This polarizing film is offered in multiple thicknesses; thicker polarizing film has increased rigidity. Available in sheets,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

