

**TECHSPEC® 25mm Dia. Linear Polarizer (XP42-100)**



Stock #19-952 **20+ In Stock**

⊖ 1 ⊕ €23<sup>25</sup>

**ADD TO CART**

Volume Pricing	
Qty 1-10	€23,25 each
Qty 11-25	€18,90 each
Need More?	<a href="#">Request Quote</a>

ⓘ Prices shown are exclusive of VAT/local taxes

Product Downloads

**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**

25.00 +0.0/-0.3 **Diameter (mm):**

1.02 ±0.25 **Thickness (mm):**

Polarizing Film on PMMA **Construction:**

## Optical Properties

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

**Polymer Film XP42-100** **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 (%):**

<±5 **Transmission Variance after 1000 Hours (%):**

## Environmental & Durability Factors

-10 to +60 **Operating Temperature (°C):**

≤80% (no condensation) **Operating Humidity:**

## 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

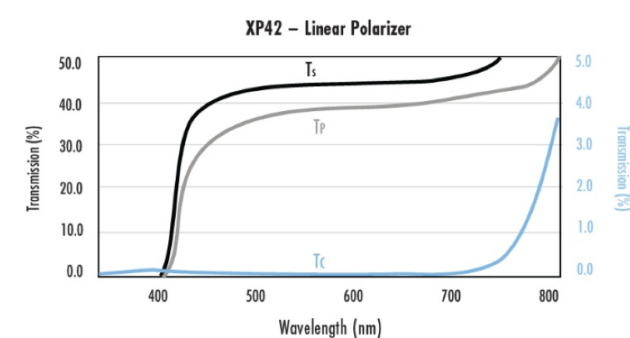
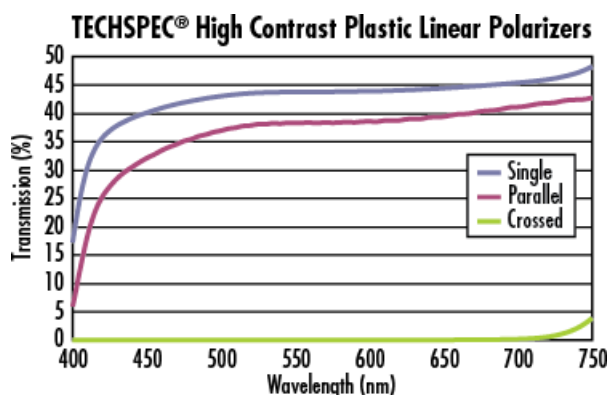
Ideal for a range of imaging applications, TECHSPEC® High Contrast Linear Polarizing Film (XP42) features an excellent extinction ratio and high transmission from 400 – 700nm. This polarizing film is offered in multiple thicknesses; thicker polarizing film has increased rigidity. Available in sheets,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

