

TECHSPEC® 12.5mm Dia. Linear Polarizer (XP42-70)



Stock #19-940 **20+ In Stock**

⊖ 1 ⊕ €19.⁰⁰

ADD TO CART

| Volume Pricing | |
|----------------|-------------------------------|
| Qty 1-10 | €19,00 each |
| Qty 11-25 | €15,70 each |
| Need More? | Request Quote |

i 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

| | |
|-----------------|------------------------|
| 12.50 +0.0/-0.3 | Diameter (mm): |
| 0.72 ±0.1 | Thickness (mm): |

| | |
|-------------------------|----------------------|
| Polarizing Film on PMMA | Construction: |
|-------------------------|----------------------|

Optical Properties

| | |
|--------------------------------------|--------------------------|
| up to 9000:1 (nominal at 555nm) | Extinction Ratio: |
| Polymer Film XP42-70 | 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 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

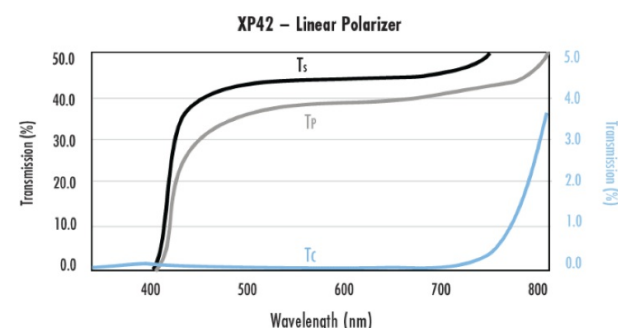
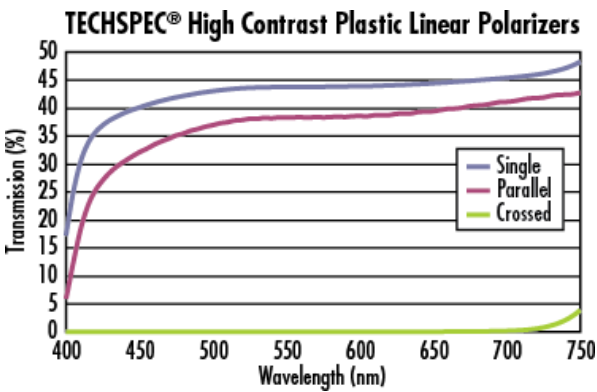
Ideal for a range of imaging applications, TECHSPEC® High Contrast Linear Polarizing Film (XP42) features an excellent extinction ratio and high transmission from 400 – 700nm. This polarizing film is offered in multiple thicknesses; thicker polarizing film has increased rigidity. Available in sheets,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



XP44 - Linear Polarizer

