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TECHSPEC® 10mm Dia. Linear Polarizing Film (XP42-40)



Stock #71-354 **20+ In Stock**

⊖ 1 ⊕ €14⁵⁰

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| Volume Pricing | |
|----------------|-------------------------------|
| Qty 1-10 | €14,50 each |
| Qty 11-25 | €11,20 each |
| Need More? | Request Quote |

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

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

| | |
|---|-------------------------------------|
| 0.40 ±0.05 | Thickness (mm): |
| Polarizing Film on PMMA | Construction: |
| Optical Properties | |
| Uncoated, protective film on both sides | Coating: |
| 9000:1 (nominal at 555nm) | Extinction Ratio: |
| Polymer Film XP42-40 | 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 (%): |
| 42 ±2 | Transmission, Single (%): |
| 36.4 | Transmission, Parallel (%): |
| <0.004 (nominal at 555nm) | Transmission, Crossed (%): |
| Environmental & Durability Factors | |
| -10 to +60 | Operating Temperature (°C): |
| Regulatory Compliance | |
| View | Certificate of Conformance: |

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

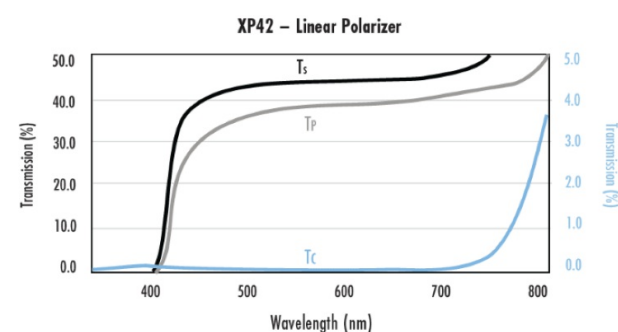
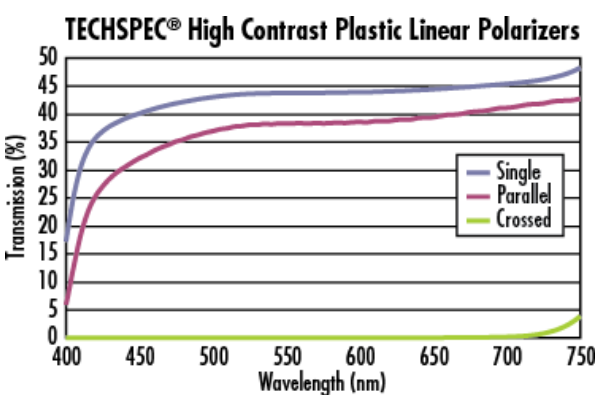
Ideal for a range of imaging applications, TECHSPEC® High Contrast Linear Polarizing Film (XP42) features an excellent extinction ratio and high transmission from 400 – 700nm. This polarizing film is offered in multiple thicknesses; thicker polarizing film has increased rigidity. Available in sheets,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

