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TECHSPEC® 25mm Dia. Linear Polarizer Film (XP42HE-40)



Stock #71-893 [CONTACT US](#)

- 1 + £26.⁸⁰

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| Volume Pricing | |
|----------------|-------------------------------|
| Qty 1-10 | £26.80 each |
| Qty 11-25 | £21.44 each |
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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

| | |
|---|-------------------------------------|
| 25.00 +0/-0.3 | Diameter (mm): |
| 0.40 +/- 0.05 | Thickness (mm): |
| Polarizing Film | Construction: |
| Optical Properties | |
| 30,000:1 (Nominal at 555nm) | Extinction Ratio: |
| Polymer Film XP42HE-40 | Substrate: □ |
| Single: 42.6 (nominal @ 555nm), 41.1 (average 420-700nm) Parallel: 36.4 (nominal @ 555nm), 34.0 (average 420-700nm) Crossed: 0.001 (nominal @ 555nm), 0.002 (average 420-700nm) | Transmission (%): |
| 420 - 700 | Wavelength Range (nm): |
| >99.99% (nominal at 555nm) | Polarization Efficiency (%): |
| Environmental & Durability Factors | |
| -10 to +60 | Operating Temperature (°C): |
| Regulatory Compliance | |
| Compliant | RoHS 2015: |
| View | Certificate of Conformance: |
| Compliant | REACH 241: |

Product Details

- Superior 30,000:1 Extinction Ratio
- Excellent Transmission from 420-700nm
- Available in a Range of Sizes
- Custom Sizes Available

TECHSPEC® Ultra-High Contrast Polarizing Film (XP42HE) are designed to produce a 30,000:1 contrast ratio from 420 – 700nm with an excellent transmission of 42.6%. These polarizing films are available in rectangular geometries in a range of sizes. TECHSPEC Ultra-High Contrast Polarizing Film (XP42HE) are easily cut to required geometries using common cutting tools for system integration. Additionally, the 500 x 1000mm version [#24-286](#) and [#71-907](#) are available with an adhesive backing to facilitate incorporation into various applications. These polarizing films are ideal for imaging, metrology, and microscopy applications where contrast sensitivity is paramount.