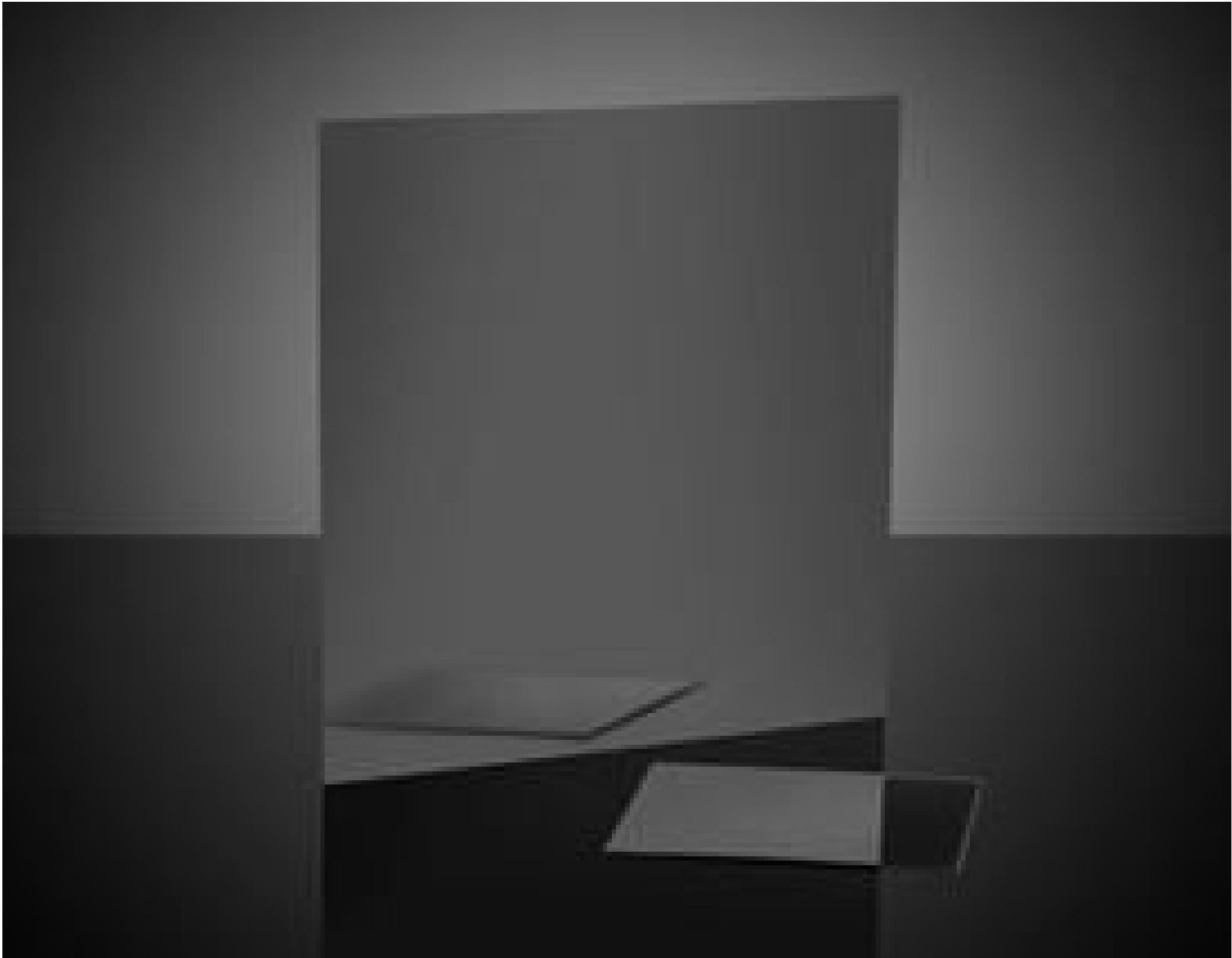


TECHSPEC<sup>®</sup> 12.5mm Dia. Linear Polarizer Film (XP42HE-40)



Stock #71-891 20+ In Stock

-

1

+

£22<sup>.20</sup>

ADD TO CART

| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-10       | £22.20 each                   |
| Qty 11-25      | £17.76 each                   |
| Need More?     | <a href="#">Request Quote</a> |

Prices shown are exclusive of VAT/local taxes

Product Downloads

SPECIFICATIONS

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/-0.3      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.