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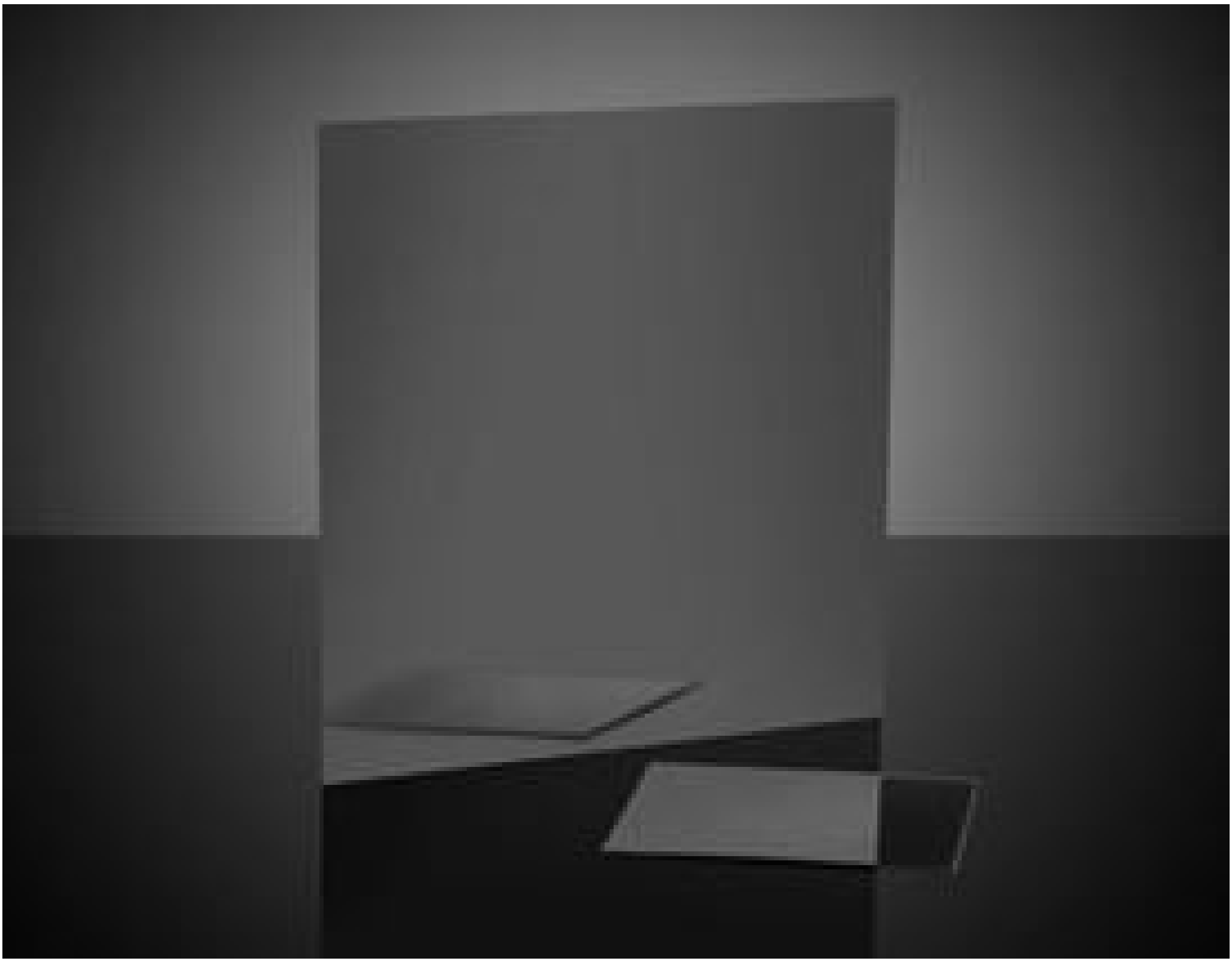
TECHSPEC® 50mm x 50mm Linear Polarizing Film (XP42HE-40)



Stock **#71-898** **20+ In Stock**

- 1 + **£40**.00

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Volume Pricing	
Qty 1-10	**£40.00** each
Qty 11-25	**£32.00** each
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Product Downloads

General

Type:
Linear Polarizer

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

Dimensions (mm):
50 x 50 +0/- 0.5

Thickness (mm):
0.40 +/- 0.05

Construction:
Polarizing Film

Optical Properties

Extinction Ratio:
30,000:1 (Nominal at 555nm)

Substrate:
Polymer Film XP42HE-40

Transmission (%):
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)

Wavelength Range (nm):
420 - 700

Polarization Efficiency (%):
>99.99% (nominal at 555nm)

Environmental & Durability Factors

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

Regulatory Compliance

RoHS 2015:
Compliant

Certificate of Conformance:
View

REACH 241:
Compliant

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.

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