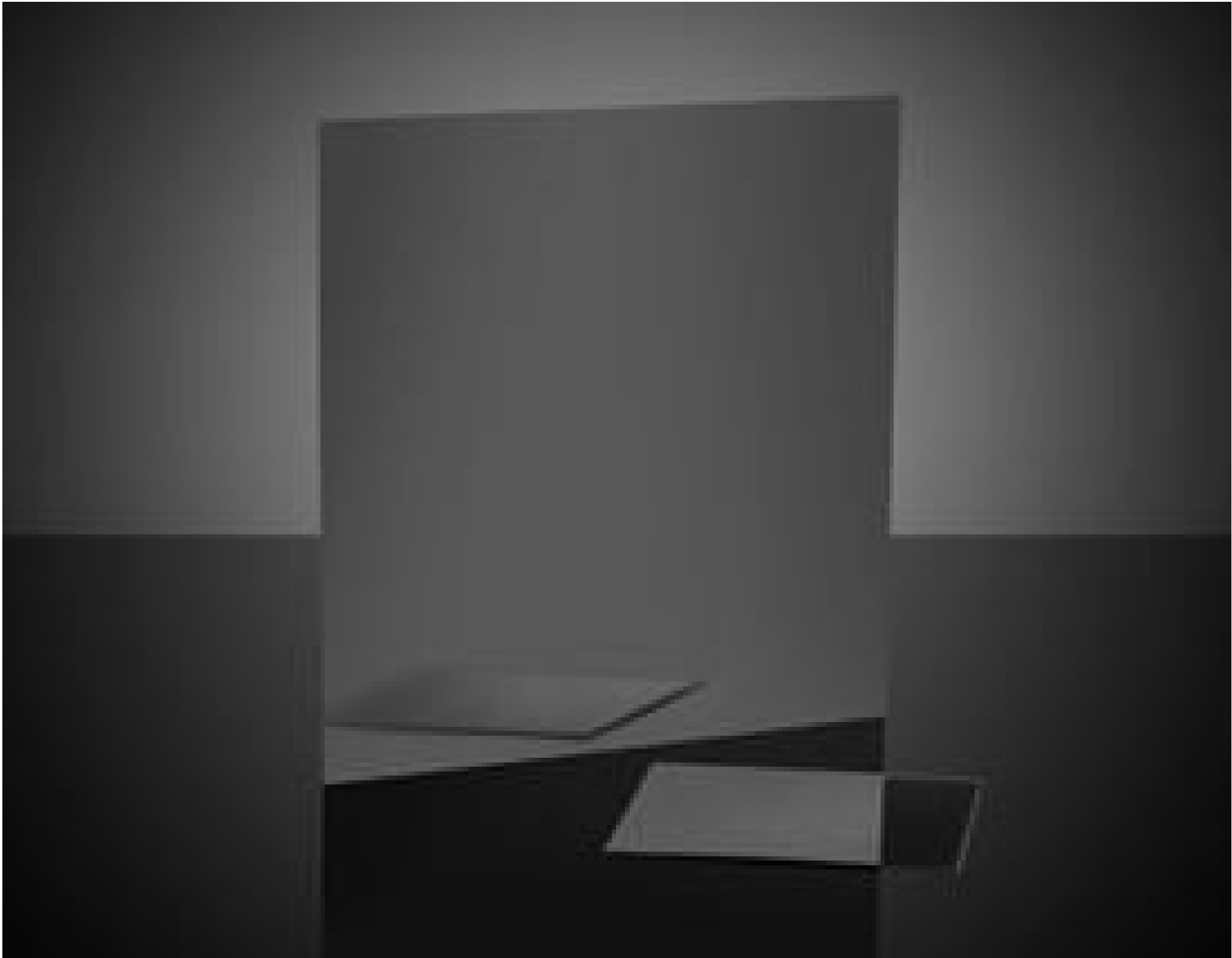


TECHSPEC[®] 100mm x 100mm Linear Polarizing Film (XP42HE-40)



Stock #71-900NEW 20+ In Stock

-

1

+

€87^{.55}

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Volume Pricing	
Qty 1-10	€87,55 each
Qty 11+	€70,04 each
Need More?	Request Quote

Prices shown are exclusive of VAT/local taxes

Product Downloads

SPECIFICATIONS

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

100 x 100 +/-1.0 Dimensions (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.