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**TECHSPEC® 50mm Dia. High Transmission Linear Polarizing Film (XP44-40)**



High Transmission Linear Polarizing Film (XP44-40)

Stock #19-025 CLEARANCE **20+ In Stock**

⊖ 1 ⊕ **S\$60<sup>SS</sup>**

**ADD TO CART**

Volume Pricing	
Qty 1-10	<b>S\$60.55</b> each
Qty 11+	<b>S\$53.48</b> each
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Product Downloads

**General**

Linear Polarizer **Type:**

**Note:**  
The polarisation axis is parallel to the notch on the polariser

**Physical & Mechanical Properties**

50.00 +0.0/-0.5 **Diameter (mm):**

0.40 ±0.05	<b>Thickness (mm):</b>
Polarizing Film	<b>Construction:</b>
<b>Optical Properties</b>	
2000:1	<b>Extinction Ratio:</b>
<a href="#">Polymer Film XP44-40</a>	<b>Substrate:</b> □
Single: 44.2 ±1.5 Parallel: 38.6 Crossed: <0.02	<b>Transmission (%):</b>
400 - 700	<b>Wavelength Range (nm):</b>
>99.95	<b>Polarization Efficiency (%):</b>
<b>Environmental &amp; Durability Factors</b>	
-40 to +80	<b>Operating Temperature (°C):</b>
<b>Regulatory Compliance</b>	
<a href="#">Compliant</a>	<b>RoHS 2015:</b>
<a href="#">View</a>	<b>Certificate of Conformance:</b>
<a href="#">Contains SVHC(s)</a>	<b>Reach 235:</b>

## Product Details

- Highest Transmission Polarizing Film for the Visible Spectrum
- >99.95% Polarization Efficiency
- Custom Options Available
- [High Contrast Linear Polarizing Film](#) Also Available

TECHSPEC® High Transmission Linear Polarizing Film (XP44-40) is optimized to offer the highest possible light transmission of a polymer film polarizer between 400 - 700nm. This linear polarizing film also features an excellent polarization efficiency of >99.95% in the visible spectrum. The polymer film sheets can be cut to custom sizes or laminated for increased stability to fit application requirements. TECHSPEC High Transmission Linear Polarizing Film is ideal for applications that require linear polarization with maximum light transmission, including machine vision or illumination applications.

### Immediate Custom Quotes Available

If you have a need for any round, square, or rectangular size of a TECHSPEC High Transmission Linear Polarizing Film (XP44-40) 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.