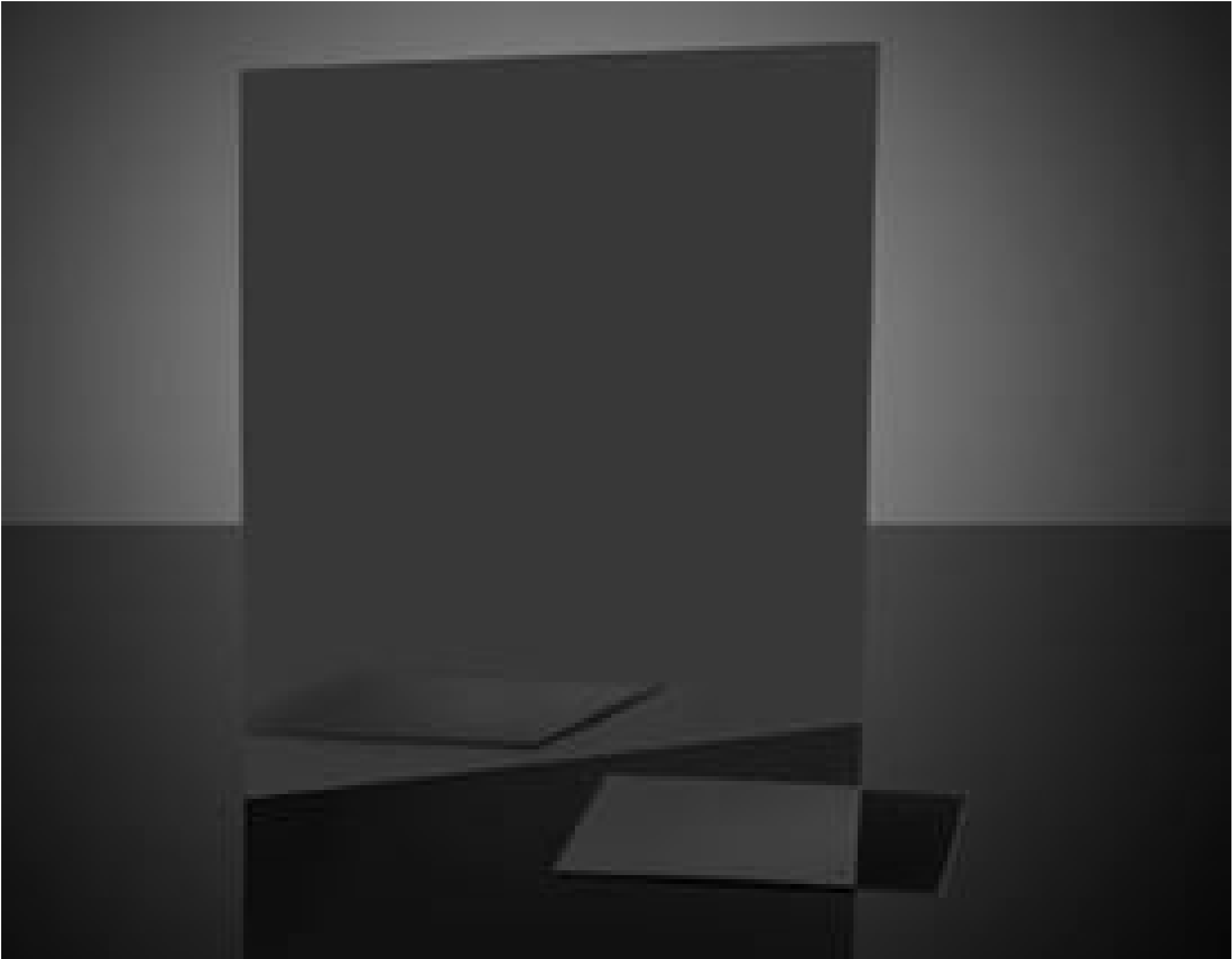


TECHSPEC<sup>®</sup> 50mm Dia. Linear Polarizer (XP42-100)



Stock #19-953 20+ In Stock

-

1

+

£23<sup>.20</sup>

ADD TO CART

| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-10       | £23.20 each                   |
| Qty 11-25      | £19.68 each                   |
| Need More?     | <a href="#">Request Quote</a> |

 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

|                 |                 |
|-----------------|-----------------|
| 50.00 +0.0/-0.5 | Diameter (mm):  |
| 1.02 ±0.25      | Thickness (mm): |

|                         |               |
|-------------------------|---------------|
| Polarizing Film on PMMA | Construction: |
|-------------------------|---------------|

Optical Properties

|                                 |                   |
|---------------------------------|-------------------|
| up to 9000:1 (nominal at 555nm) | Extinction Ratio: |
| Polymer Film XP42-100           | Substrate: □      |

|                                                                       |                        |
|-----------------------------------------------------------------------|------------------------|
| Single: 42 ±2<br>Parallel: 36.4<br>Crossed: <0.004 (nominal at 555nm) | Transmission (%):      |
| 400 - 700                                                             | Wavelength Range (nm): |

|                           |                                             |
|---------------------------|---------------------------------------------|
| >99.98 (nominal at 555nm) | Polarization Efficiency (%):                |
| <±5                       | Transmission Variance after 1000 Hours (%): |

Environmental & Durability Factors

|                        |                             |
|------------------------|-----------------------------|
| -10 to +60             | Operating Temperature (°C): |
| ≤80% (no condensation) | Operating Humidity:         |

Regulatory Compliance

|           |                             |
|-----------|-----------------------------|
| Compliant | RoHS 2015:                  |
| View      | Certificate of Conformance: |
| Compliant | Reach 247:                  |

## Product Details

- High Transmission of Unpolarized Light from 400 – 700nm
- Excellent Extinction Ratio of 9000:1
- Available in Custom Sizes
- [High-Temperature](#) Options Also Available

Ideal for a range of imaging applications, TECHSPEC® High Contrast Linear Polarizing Film (XP42) features an excellent extinction ratio and high transmission from 400 – 700nm. This polarizing film is offered in multiple thicknesses; thicker polarizing film has increased rigidity. Available in sheets, TECHSPEC® High Contrast Linear Polarizing Film (XP42) can be cut to fit any application need.

**Note:** Polarizer Film with adhesive available.

### Immediate Custom Quotes Available

If you have a need for any round, square, or rectangular size of a TECHSPEC High Contrast Linear Polarizing Film (XP42) 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.

## Technical Information

