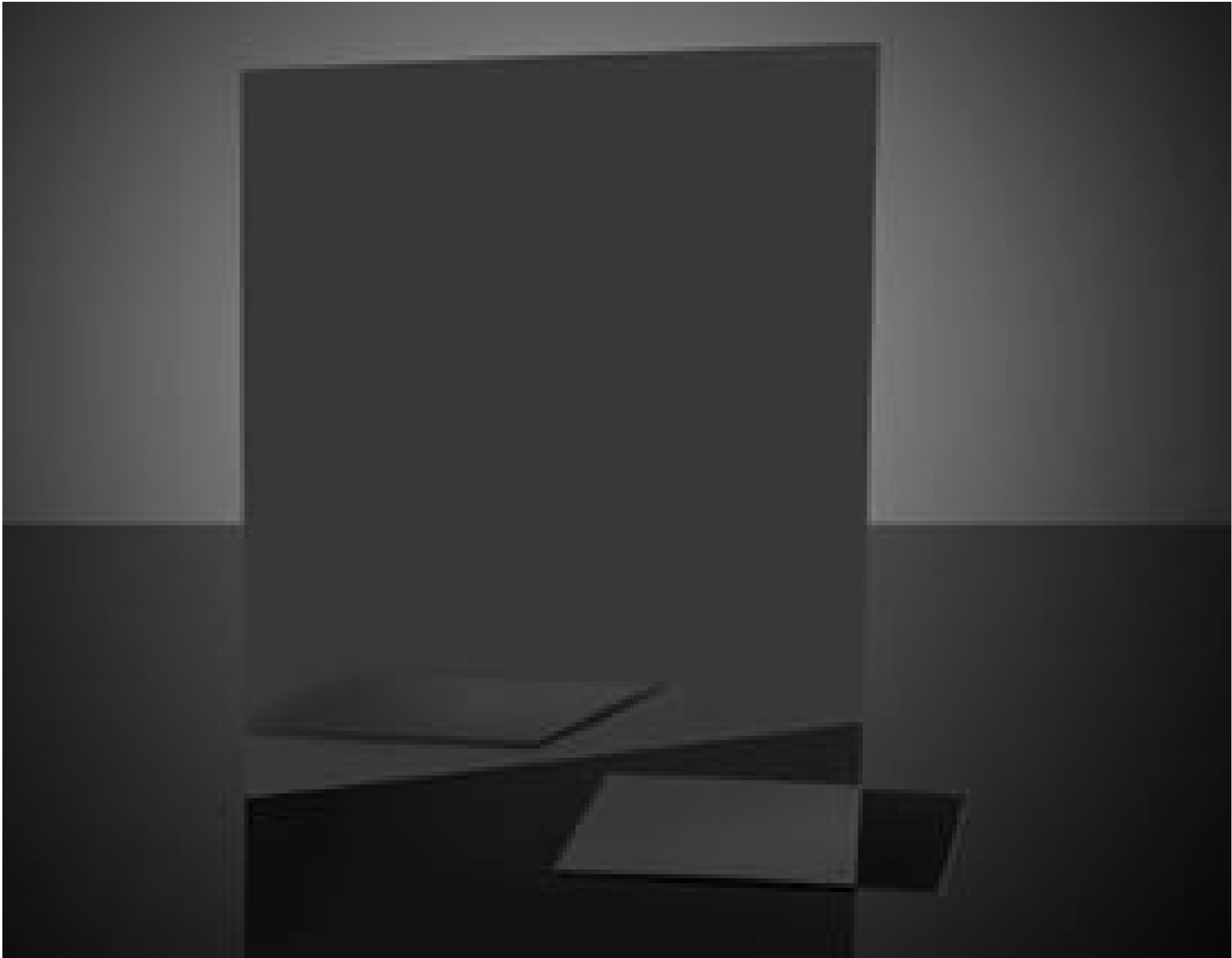


TECHSPEC<sup>®</sup> 12.5mm Dia. Linear Polarizing Film (XP42-40)



Stock #19-011 CLEARANCE 20+ In Stock

-

1

+

C\$17<sup>.73</sup>

ADD TO CART

| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1+         | C\$17.73 each                 |
| Need More?     | <a href="#">Request Quote</a> |

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/-0.3                                                       | Diameter (mm):                              |
| 0.40 ±0.05                                                            | Thickness (mm):                             |
| Polarizing Film                                                       | Construction:                               |
| Optical Properties                                                    |                                             |
| 9000:1 (nominal at 555nm)                                             | Extinction Ratio:                           |
| Polymer Film XP42-40                                                  | 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                                    |                                             |
| -40 to +80                                                            | Operating Temperature (°C):                 |
| Regulatory Compliance                                                 |                                             |
| Compliant                                                             | RoHS 2015:                                  |
| View                                                                  | Certificate of Conformance:                 |
| Contains SVHC(s)                                                      | Reach 235:                                  |

## 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

