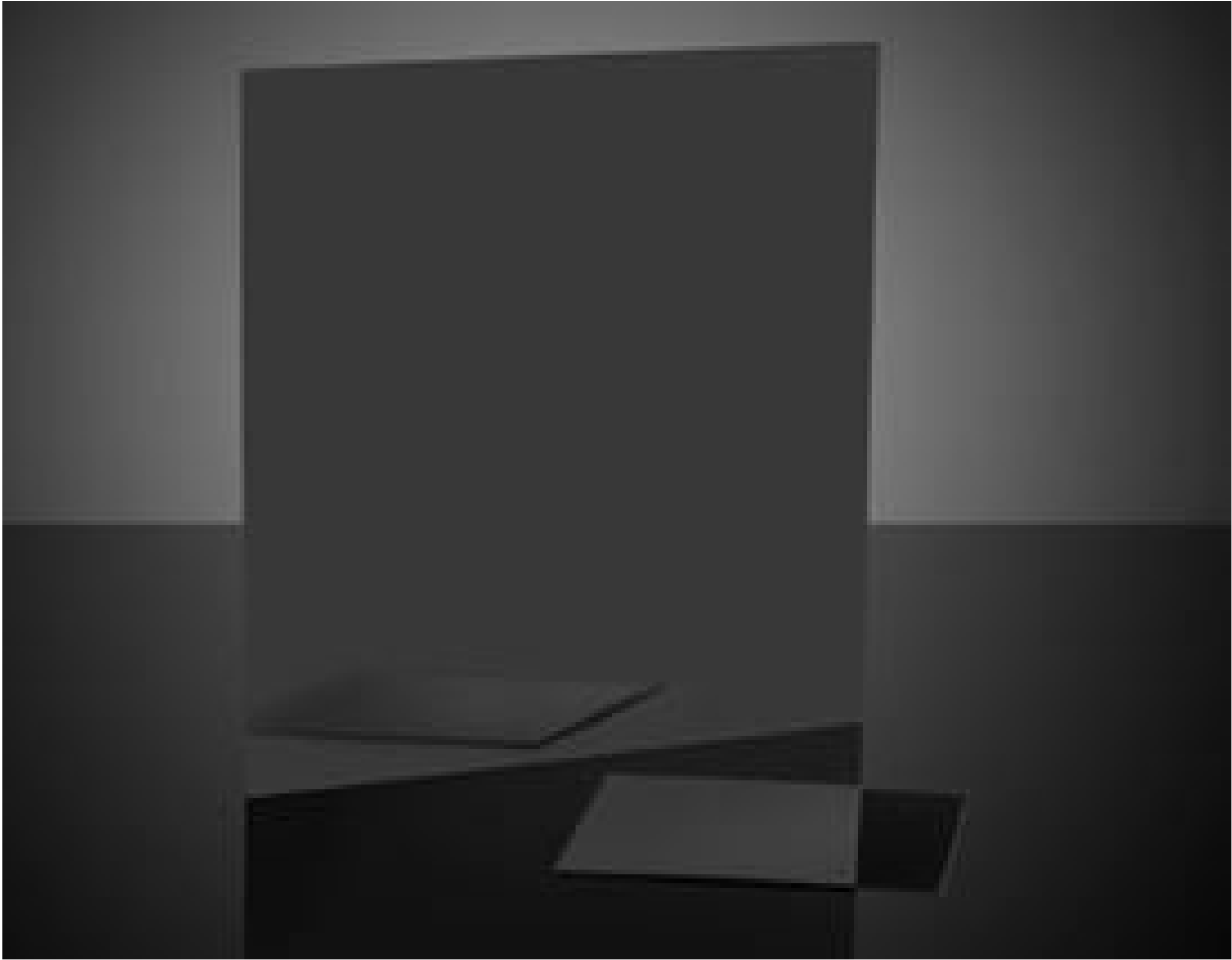


TECHSPEC<sup>®</sup> 12.5mm Dia. Linear Polarizing Film (XP42-18)



Stock #29-488 3 In Stock

-

1

+

S\$24<sup>.85</sup>

ADD TO CART

| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-10       | S\$24.85 each                 |
| Qty 11-25      | S\$18.76 each                 |
| Need More?     | <a href="#">Request Quote</a> |

Product Downloads

General

Type:

Linear Polarizer

Note:

Polarization axis is parallel to notch on polarizer edge

Physical & Mechanical Properties

Diameter (mm):

12.50 +0.0/-0.3

Thickness (mm):

0.19 ±0.03

|                                                                       |  |                                     |
|-----------------------------------------------------------------------|--|-------------------------------------|
| Polarizing Film                                                       |  | Construction:                       |
| Optical Properties                                                    |  |                                     |
| Uncoated, Protective Film on Both Sides                               |  | Coating:                            |
| 9000:1 (nominal at 555nm)                                             |  | Extinction Ratio:                   |
| Polymer Film XP42-18                                                  |  | Substrate: <input type="checkbox"/> |
| 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 (%):        |
| 42 ±2                                                                 |  | Transmission, Single (%):           |
| 36.4                                                                  |  | Transmission, Parallel (%):         |
| <0.004 (nominal at 555nm)                                             |  | Transmission, Crossed (%):          |
| Environmental & Durability Factors                                    |  |                                     |
| -40 to +80                                                            |  | Operating Temperature (°C):         |
| 80 x 500                                                              |  | Heat Resistance (°C x Hours):       |
| -40 x 500                                                             |  | Cold Resistance (°C x Hours):       |
| 60 x 90% RH x 500                                                     |  | Humidity Resistance (°C x Hours):   |
| 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 anyround, 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

