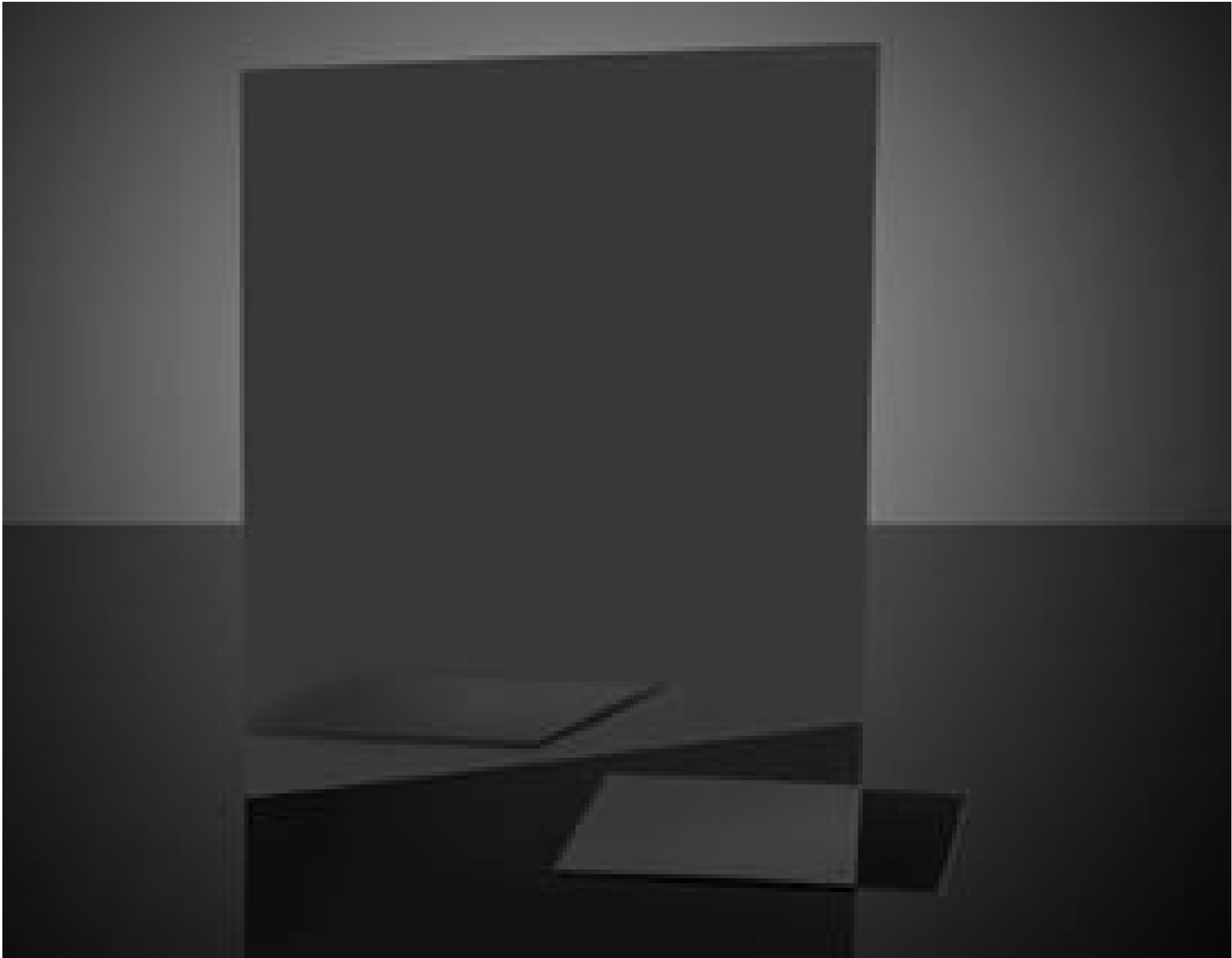


TECHSPEC<sup>®</sup> 40mm Dia. Linear Polarizing Film (XP42-18)



Stock #71-353 20+ In Stock

-

1

+

S\$34<sup>.30</sup>

ADD TO CART

| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-10       | S\$34.30 each                 |
| Qty 11-25      | S\$28.14 each                 |
| Need More?     | <a href="#">Request Quote</a> |

Product Downloads

SPECIFICATIONS

General

Linear Polarizer

Type:

Polarization axis is parallel to notch on polarizer edge

Note:

| Physical & Mechanical Properties                                      |                                     |
|-----------------------------------------------------------------------|-------------------------------------|
| 40.00 +0.0/-0.3                                                       | Diameter (mm):                      |
| 0.19 ±0.03                                                            | Thickness (mm):                     |
| 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 x500                                                               | Heat Resistance (°C x Hours):       |
| 60 x90% RH x500                                                       | 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

