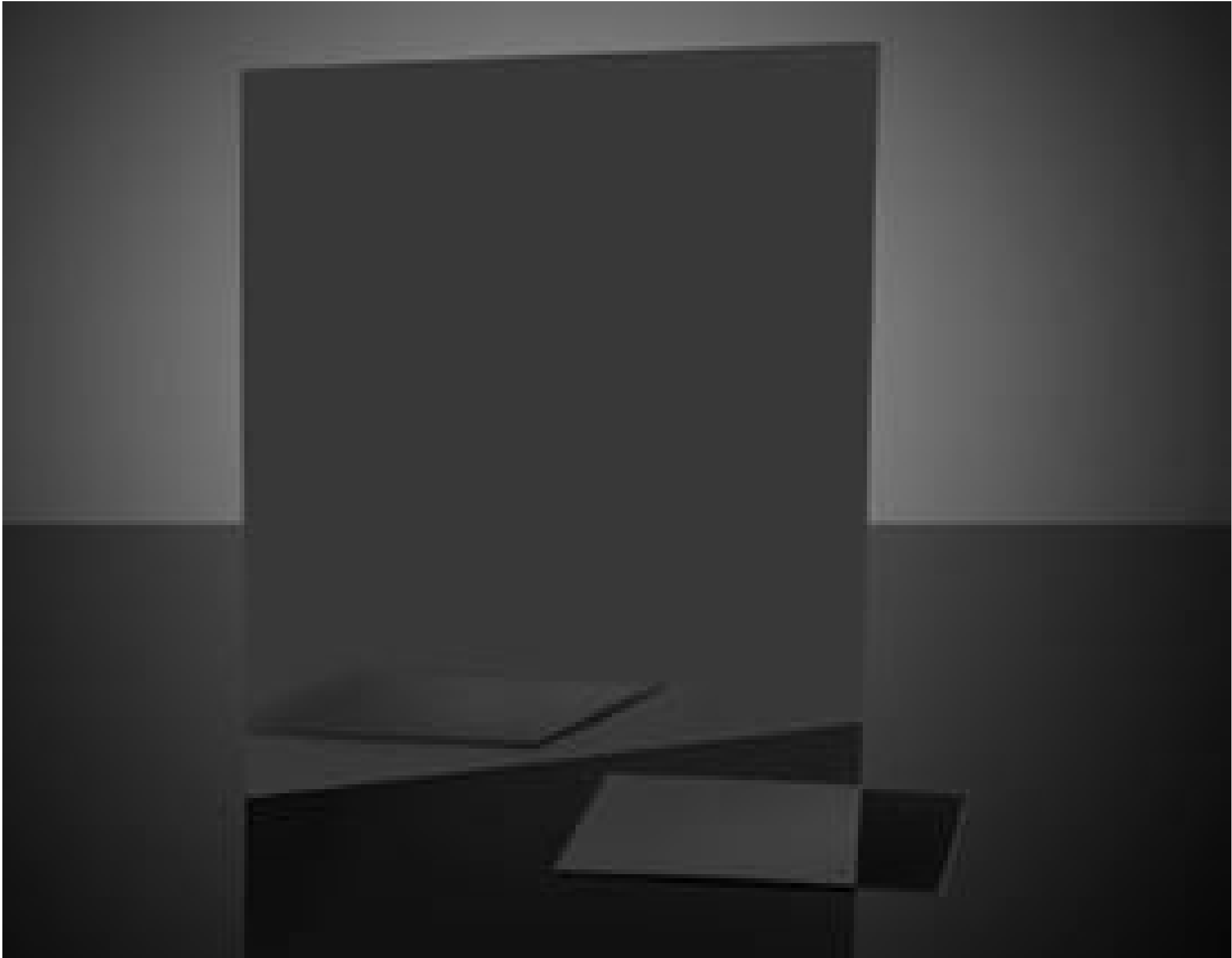


TECHSPEC<sup>®</sup> 40mm Dia. Linear Polarizing Film (XP42-18)



Stock #71-353 20+ In Stock

-

1

+

₹1,713

ADD TO CART

| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-10       | ₹1,713 each                   |
| Qty 11+        | ₹1,401 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):  
40.00 +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: □                      |
| 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):     |
| 60 x 90% RH x 500                                                     |  | Humidity Resistance (°C x Hours): |
| Regulatory Compliance                                                 |  |                                   |
| Compliant                                                             |  | RoHS 2015:                        |
| View                                                                  |  | Certificate of Conformance:       |
| Compliant                                                             |  | Reach 247:                        |
| Japan                                                                 |  | Country of Origin:                |
| Edmund Optics India Private Limited                                   |  | Imported By:                      |

## 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

