

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



Stock #71-358 20+ In Stock

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1

+

€24<sup>.50</sup>

ADD TO CART

| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-10       | €24,50 each                   |
| Qty 11-25      | €20,10 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 is parallel to notch on polarizer edge

Physical & Mechanical Properties

40.00 +0.0/-0.3

Diameter (mm):

|                                                                       |                              |
|-----------------------------------------------------------------------|------------------------------|
| 0.40 ±0.05                                                            | Thickness (mm):              |
| Polarizing Film on PMMA                                               | Construction:                |
| Optical Properties                                                    |                              |
| Uncoated, protective film on both sides                               | Coating:                     |
| 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 (%): |
| 42 ±2                                                                 | Transmission, Single (%):    |
| 36.4                                                                  | Transmission, Parallel (%):  |
| <0.004 (nominal at 555nm)                                             | Transmission, Crossed (%):   |
| Environmental & Durability Factors                                    |                              |
| -10 to +60                                                            | Operating Temperature (°C):  |
| Regulatory Compliance                                                 |                              |
| View                                                                  | Certificate of Conformance:  |

## 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



