

TECHSPEC<sup>®</sup> 25 x 25mm Linear Polarizing Film (XP42-18)



Stock **#29-479** 14 In Stock

-

1

+

C\$29<sup>.75</sup>

ADD TO CART

| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-10       | C\$29.75 each                 |
| Qty 11-25      | C\$25.06 each                 |
| Need More?     | <a href="#">Request Quote</a> |

Product Downloads

General

Type:  
Linear Polarizer

Note:  
Polarization axis is parallel to marking on protective film.

Physical & Mechanical Properties

25.0 x 25.0 +0.0/-0.3

Dimensions (mm):

Thickness (mm):

|                                                                       |  |
|-----------------------------------------------------------------------|--|
| 0.19 ±0.03                                                            |  |
| Construction:                                                         |  |
| Polarizing Film                                                       |  |
| Optical Properties                                                    |  |
| Coating:                                                              |  |
| Uncoated, Protective Film on Both Sides                               |  |
| Extinction Ratio:                                                     |  |
| 9000:1 (nominal at 555nm)                                             |  |
| Substrate: <input type="checkbox"/>                                   |  |
| Polymer Film XP42-18                                                  |  |
| Transmission (%):                                                     |  |
| Single: 42 ±2<br>Parallel: 36.4<br>Crossed: <0.004 (nominal at 555nm) |  |
| Wavelength Range (nm):                                                |  |
| 400 - 700                                                             |  |
| Polarization Efficiency (%):                                          |  |
| >99.98 (nominal at 555nm)                                             |  |
| Transmission, Single (%):                                             |  |
| 42 ±2                                                                 |  |
| Transmission, Parallel (%):                                           |  |
| 36.4                                                                  |  |
| Transmission, Crossed (%):                                            |  |
| <0.004 (nominal at 555nm)                                             |  |

|                                    |  |
|------------------------------------|--|
| Environmental & Durability Factors |  |
| Operating Temperature (°C):        |  |
| -40 to +80                         |  |
| Heat Resistance (°C x Hours):      |  |
| 80 x 500                           |  |
| Cold Resistance (°C x Hours):      |  |
| -40 x 500                          |  |
| Humidity Resistance (°C x Hours):  |  |
| 60 x 90% RH x 500                  |  |

|                             |  |
|-----------------------------|--|
| Regulatory Compliance       |  |
| RoHS 2015:                  |  |
| Compliant                   |  |
| Certificate of Conformance: |  |
| View                        |  |
| Reach 247:                  |  |
| Compliant                   |  |

## 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



