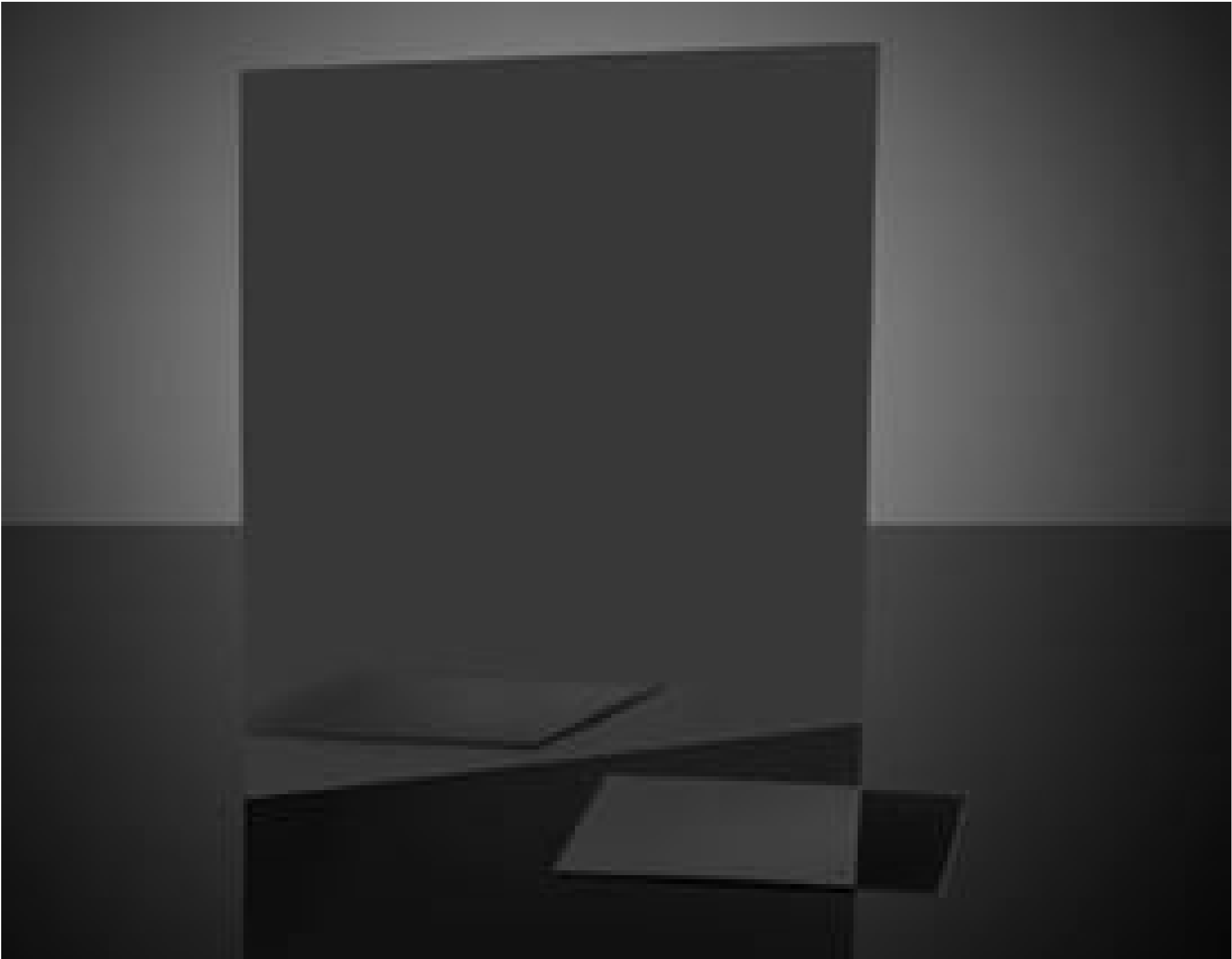


TECHSPEC®

100 x 100mm Linear Polarizer (XP42-70)



Stock #19-944 20+ In Stock

-

1

+

S\$68<sup>.60</sup>

ADD TO CART

| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-10       | S\$68.60 each                 |
| Qty 11-25      | S\$57.82 each                 |
| Need More?     | <a href="#">Request Quote</a> |

Product Downloads

SPECIFICATIONS

General

Linear Polarizer

Type:

Note:  
Polarization axis can be identified as follows:  
Circular Parts - Parallel to direction of notch on  
polarizer

Square Parts - Parallel to mark on protective film  
Rectangular Parts - Parallel to first listed dimension

Physical & Mechanical Properties

|                         |                  |
|-------------------------|------------------|
| 100.0 x 100.0 +1.0/-1.0 | Dimensions (mm): |
| 0.72 ±0.1               | Thickness (mm):  |

|                         |               |
|-------------------------|---------------|
| Polarizing Film on PMMA | Construction: |
|-------------------------|---------------|

Optical Properties

|                                 |                   |
|---------------------------------|-------------------|
| up to 9000:1 (nominal at 555nm) | Extinction Ratio: |
|---------------------------------|-------------------|

|                      |                                     |
|----------------------|-------------------------------------|
| Polymer Film XP42-70 | 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 (%): |
|---------------------------|------------------------------|

|     |                                             |
|-----|---------------------------------------------|
| <±5 | Transmission Variance after 1000 Hours (%): |
|-----|---------------------------------------------|

Environmental & Durability Factors

|            |                             |
|------------|-----------------------------|
| -10 to +60 | Operating Temperature (°C): |
|------------|-----------------------------|

|                        |                     |
|------------------------|---------------------|
| ≤80% (no condensation) | Operating Humidity: |
|------------------------|---------------------|

Regulatory Compliance

|           |            |
|-----------|------------|
| Compliant | RoHS 2015: |
|-----------|------------|

|      |                             |
|------|-----------------------------|
| View | Certificate of Conformance: |
|------|-----------------------------|

|           |            |
|-----------|------------|
| Compliant | Reach 235: |
|-----------|------------|

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

