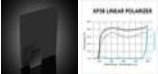
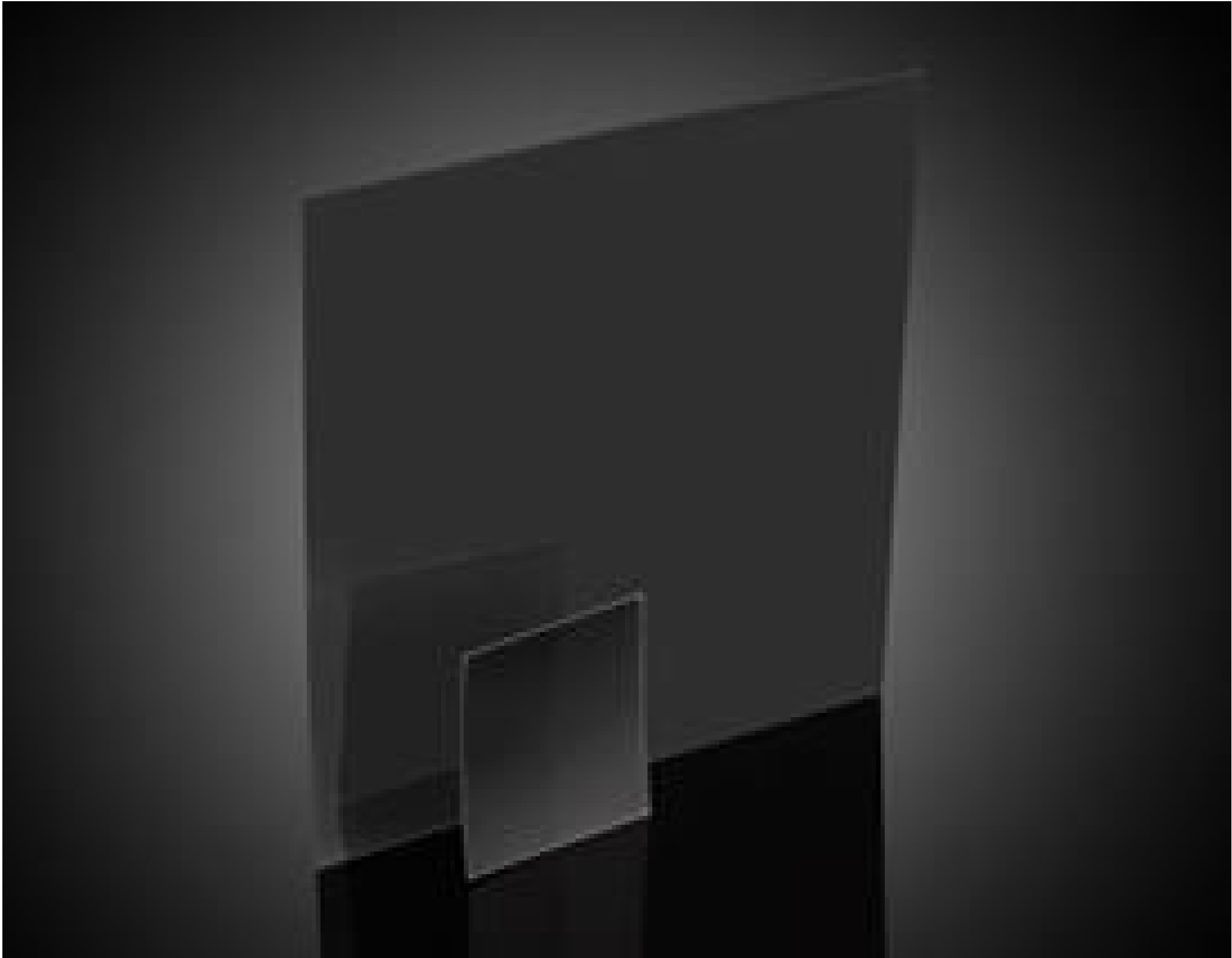


50 x 50mm 38% Transmission Linear Polarizing Film (XP38)



Stock **#20-239** 20+ In Stock

-

1

+

C\$24<sup>85</sup>

ADD TO CART

| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-10       | C\$24.85 each                 |
| Qty 11+        | C\$19.88 each                 |
| Need More?     | <a href="#">Request Quote</a> |

Product Downloads

| General                                                                                                                                                                                                                         |       |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|
| Linear Polarizer                                                                                                                                                                                                                | Type: |
|                                                                                                                                                                                                                                 | Note: |
| Polarization axis can be identified as follows:<br>Circular Parts - Parallel to direction of notch on polarizer<br>Square Parts - Parallel to mark on protective film<br>Rectangular Parts - Parallel to first listed dimension |       |

| Physical & Mechanical Properties |                             |
|----------------------------------|-----------------------------|
| 1.97 x 1.97                      | Dimensions (inches):        |
| 50.0 x 50.0                      | Dimensions (mm):            |
| 0.007 ±0.001                     | Thickness (inches):         |
| 0.19 ±0.02                       | Thickness (mm):             |
| +0.0/-0.5                        | Dimensional Tolerance (mm): |
| Polarizing Film                  | Construction:               |

| Optical Properties                                   |                                             |
|------------------------------------------------------|---------------------------------------------|
| Up to 7,500:1                                        | Extinction Ratio:                           |
| <a href="#">Polymer Film XP38</a>                    | Substrate: □                                |
| Single: 38.5 ±2<br>Parallel: 30.1<br>Crossed: <0.004 | Transmission (%):                           |
| 400 - 700                                            | Wavelength Range (nm):                      |
| >99.98                                               | Polarization Efficiency (%):                |
| <±5                                                  | Transmission Variance after 1000 Hours (%): |

| Environmental & Durability Factors |                                   |
|------------------------------------|-----------------------------------|
| -20 to +70                         | Operating Temperature (°C):       |
| 70 x 240                           | Heat Resistance (°C x Hours):     |
| 40 x 95% RH x 240                  | Humidity Resistance (°C x Hours): |

| Regulatory Compliance     |                             |
|---------------------------|-----------------------------|
| <a href="#">Compliant</a> | RoHS 2015:                  |
| <a href="#">View</a>      | Certificate of Conformance: |
| <a href="#">Compliant</a> | Reach 235:                  |

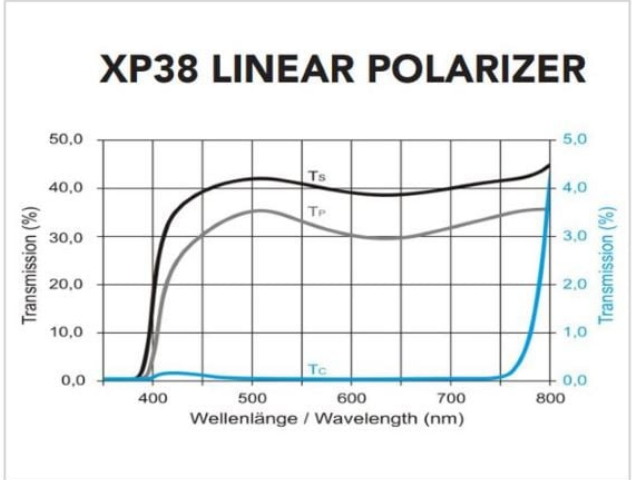
## Product Details

- 38% Transmission of Unpolarized Light from 400 – 700nm
- Extinction Ratio of up to 7500:1
- Excellent Cost to Performance Ratio

Commercial Grade Visible Linear Polarizing Film (XP38) is a high quality, neutral gray polymer polarizing film that provides a balance between high transmission and high extinction ratio. Offering 38% transmission of unpolarized light and an extinction ratio up to 7500:1 in the visible spectrum, this polarizing film is ideal for a range of imaging, microscopy and display applications. Available in sheets up to 600 x 900mm, Commercial Grade Visible Linear Polarizing Film (XP38) can be cut to fit any application need.

**Note:** The transmission axis is parallel to the first dimension listed.

## Technical Information



# Custom

Edmund Optics offers comprehensive custom manufacturing services for optical and imaging components tailored to your specific application requirements. Whether in the prototyping phase or preparing for full-scale production, we provide flexible solutions to meet your needs. Our experienced engineers are here to assist—from concept to completion.

Our capabilities include:

- Custom dimensions, materials, coatings, and more
- High-precision surface quality and flatness
- Tight tolerances and complex geometries
- Scalable production—from prototype to volume

Learn more about our [custom manufacturing capabilities](#) or submit an inquiry [here](#).