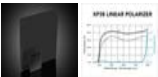
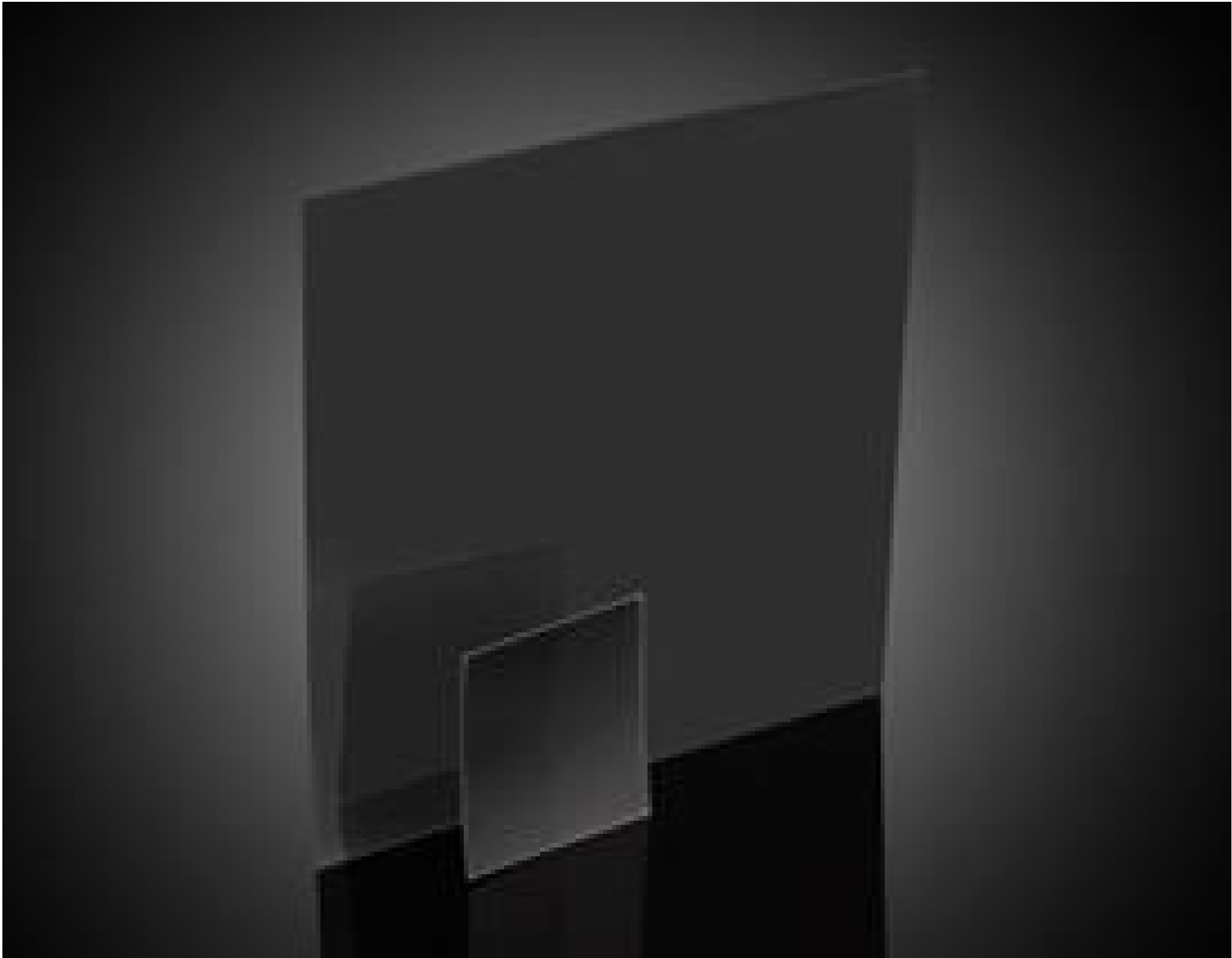


# 300 x 300mm 38% Transmission Linear Polarizing Film (XP38)



Stock #20-242 14 In Stock

-

1

+

€106<sup>00</sup>

ADD TO CART

| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-10       | €106,00 each                  |
| Qty 11-25      | €89,30 each                   |
| Need More?     | <a href="#">Request Quote</a> |

⚠ Prices shown are exclusive of VAT/local taxes

Product Downloads

## SPECIFICATIONS

General

Linear Polarizer

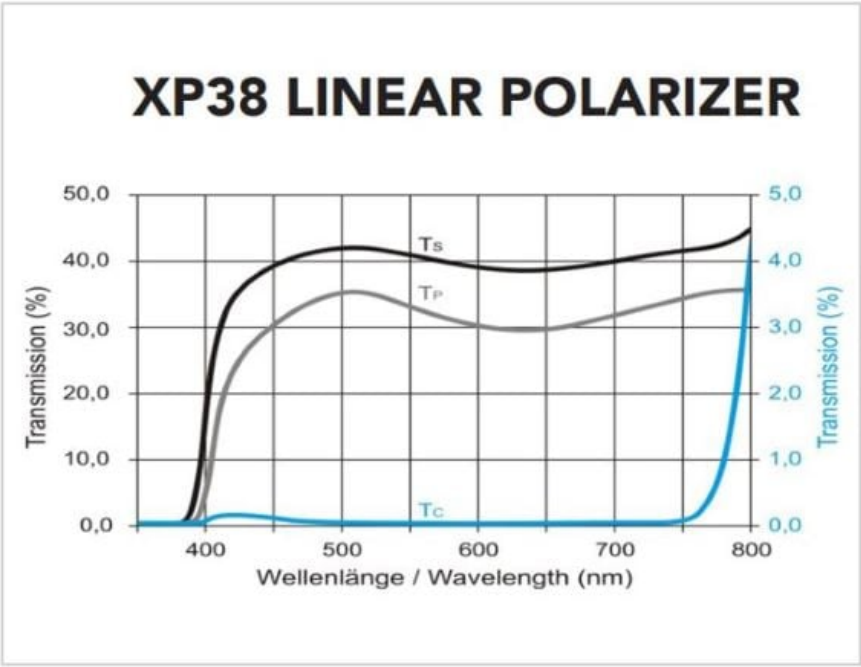
Type:

|                                                                                                                                                                                                                                                                |                                             |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------|
| <div>Note:</div> <div>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</div> |                                             |
| Physical & Mechanical Properties                                                                                                                                                                                                                               |                                             |
| 11.8 x 11.8                                                                                                                                                                                                                                                    | Dimensions (inches):                        |
| 300.0 x 300.0                                                                                                                                                                                                                                                  | Dimensions (mm):                            |
| 0.007 ±0.001                                                                                                                                                                                                                                                   | Thickness (inches):                         |
| 0.19 ±0.02                                                                                                                                                                                                                                                     | Thickness (mm):                             |
| ±3.0                                                                                                                                                                                                                                                           | Dimensional Tolerance (mm):                 |
| Polarizing Film                                                                                                                                                                                                                                                | Construction:                               |
| Optical Properties                                                                                                                                                                                                                                             |                                             |
| Up to 7,500:1                                                                                                                                                                                                                                                  | Extinction Ratio:                           |
| Polymer Film XP38                                                                                                                                                                                                                                              | 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                                                                                                                                                                                                                                          |                                             |
| Compliant                                                                                                                                                                                                                                                      | RoHS 2015:                                  |
| View                                                                                                                                                                                                                                                           | Certificate of Conformance:                 |
| Compliant                                                                                                                                                                                                                                                      | 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](#).