

## 300 x 300mm, 1λ Retarder Film (WP560)



Retarder Film with protective film removed



Stock **#88-259** 20+ In Stock

-

1

+

€297<sup>00</sup>

ADD TO CART

| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-10       | €297,00 each                  |
| Qty 11+        | €275,90 each                  |
| Need More?     | <a href="#">Request Quote</a> |

ⓘ Prices shown are exclusive of VAT/local taxes

### Product Downloads

#### General

Retarder Film

Type:

**Note:**  
Fast axis is indicated by a black stripe on the protective film. This film should be removed before use.

| Physical & Mechanical Properties |                             |
|----------------------------------|-----------------------------|
| 300.00                           | Length (mm):                |
| 300.0 x 300.0                    | Dimensions (mm):            |
| 0.15 ±0.015                      | Thickness (mm):             |
| +0.0/-2.0                        | Dimensional Tolerance (mm): |
| Polarizing Film                  | Construction:               |
| 300.00                           | Width (mm):                 |

| Optical Properties                 |                                     |
|------------------------------------|-------------------------------------|
| 560                                | Design Wavelength DWL (nm):         |
| <a href="#">Polymer Film WP560</a> | Substrate: <input type="checkbox"/> |
| 1λ                                 | Retardance:                         |
| >89                                | Transmission (%):                   |
| 360.00                             | Phase Shift (°):                    |
| 400 - 700                          | Wavelength Range (nm):              |
| 560 ±10                            | Retardation (nm):                   |

| Material Properties |           |
|---------------------|-----------|
| <1                  | Haze (%): |

| Environmental & Durability Factors |                               |
|------------------------------------|-------------------------------|
| -20 to +50                         | Operating Temperature (°C):   |
| 80 x 1000                          | Heat 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

- Highly Durable Polymer Sheets
  - λ/4 (WP140HE) Achromatic Retarder with Greater than 90% Transmission from 450-700nm
  - λ/4 (WP140HE), λ/2 (WP280), and 1λ (WP560) Retarder Films Available
- Polymer Retarder Film is an extremely durable, birefringent polymer sheet that has been designed to modify the polarization state of transmitted light. The highly transparent, achromatic λ/4 (WP140HE) and λ/2 (WP280) Polymer Retarder Films consist of a single layer, modified polycarbonate sheet that acts an achromatic retarder, and is optically and mechanically sound up to 90°C or 80°C respectively. The 1λ (WP560) Polymer Retarder Film consists of two λ/2 films that have been laminated together to create retardation values of 560nm. These films are ideal for use in a variety of coherent and polarized light applications, including circular polarizers , LCDs, and fiber optics.

### Immediate Custom Quotes Available

If you have a need for any round, square, or rectangular size of a Polymer Retarder Film 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

Polymer Retarder Film

