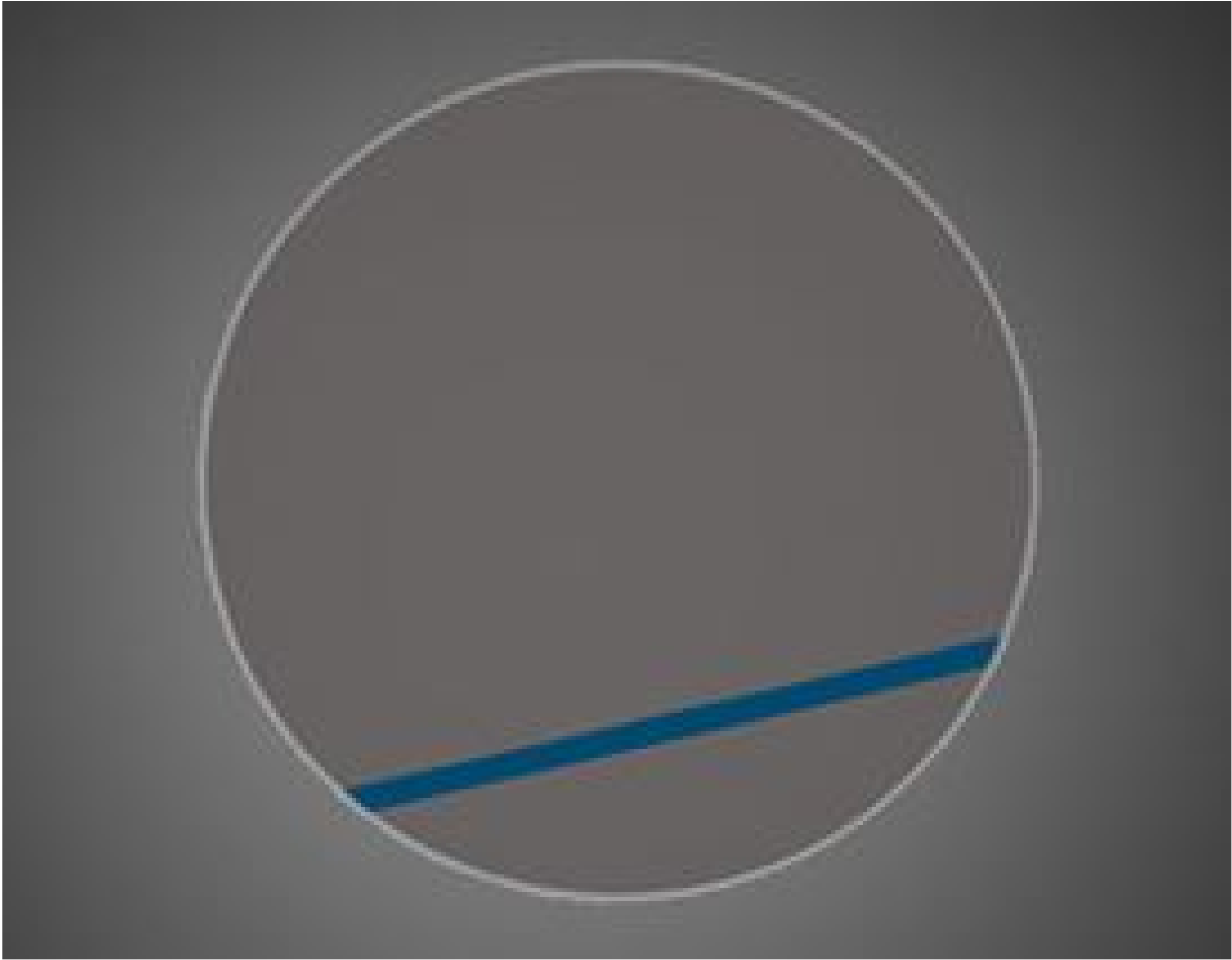


# Film-Format Achromatic Polymer Retarder $\lambda/2$ 12.7mm Dia AR



Stock **#70-575** 5 In Stock

-

1

+

€595<sup>.00</sup>

ADD TO CART

| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-10       | €595,00 each                  |
| Qty 11-25      | €450,00 each                  |
| Qty 26+        | €417,00 each                  |
| Need More?     | <a href="#">Request Quote</a> |

ⓘ Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Note:

Slow axis marked with blue dot on part and stripe on protective film

Physical & Mechanical Properties

Diameter (mm):

12.70 +/- 0.15

Thickness (mm):

0.35 Nominal

| Optical Properties                                                                        |                                                       |
|-------------------------------------------------------------------------------------------|-------------------------------------------------------|
| ±10                                                                                       | Angle of Incidence (°):                               |
| Polymer Stack                                                                             | Substrate: <input type="checkbox"/>                   |
| λ/2 ± λ/100                                                                               | Retardance:                                           |
| 60–40                                                                                     | Surface Quality:                                      |
| BBAR: R<= 0.75% @ 700-1100nm (per surface)                                                | Coating Specification:                                |
| 700 - 1100                                                                                | Wavelength Range (nm):                                |
| 500 Watt/cm² CW, .3 J/cm² 10 nsec pulses @ 532nm, 2 J/cm² 20 nsec pulses @ 1064nm typical | Damage Threshold, By Design: <input type="checkbox"/> |
| Anti-Reflection (both sides)                                                              | Coating Type:                                         |

| Environmental & Durability Factors |                             |
|------------------------------------|-----------------------------|
| -20 to +40                         | Operating Temperature (°C): |

| Regulatory Compliance |                             |
|-----------------------|-----------------------------|
| Compliant             | RoHS 2015:                  |
| View                  | Certificate of Conformance: |
| Compliant             | Reach 250:                  |

## Product Details

- Ultra-Thin ≤0.55mm Substrates for OEM Integration
- Options For 600-1100nm and 700-1550nm
- Wide Acceptance Angle Tolerance of ±10°

Ultra-Thin NIR Achromatic Polymer Retarders feature an optically fused and adhesive-free construction, allowing for high temperature resistance, high transmission, and an ultra-thin format. These retarders are designed with a multi-layer polymer stack and feature a 0.35mm thickness for λ/2 retarders and 0.55mm thickness for λ/4 retarders. Available either uncoated or with an AR-Coating, these retarders offer a retardance tolerance of λ/100 in the NIR range at a wide range of angles of incidence. Uncoated Ultra-Thin NIR Achromatic Polymer Retarders offer an increased retardance range of 700-1550nm while the coated options feature improved transmission from 700-1100nm. These waveplates are ideal for NIR imaging and analytical instrumentation, as well as OEM integration and other applications requiring a small form factor.