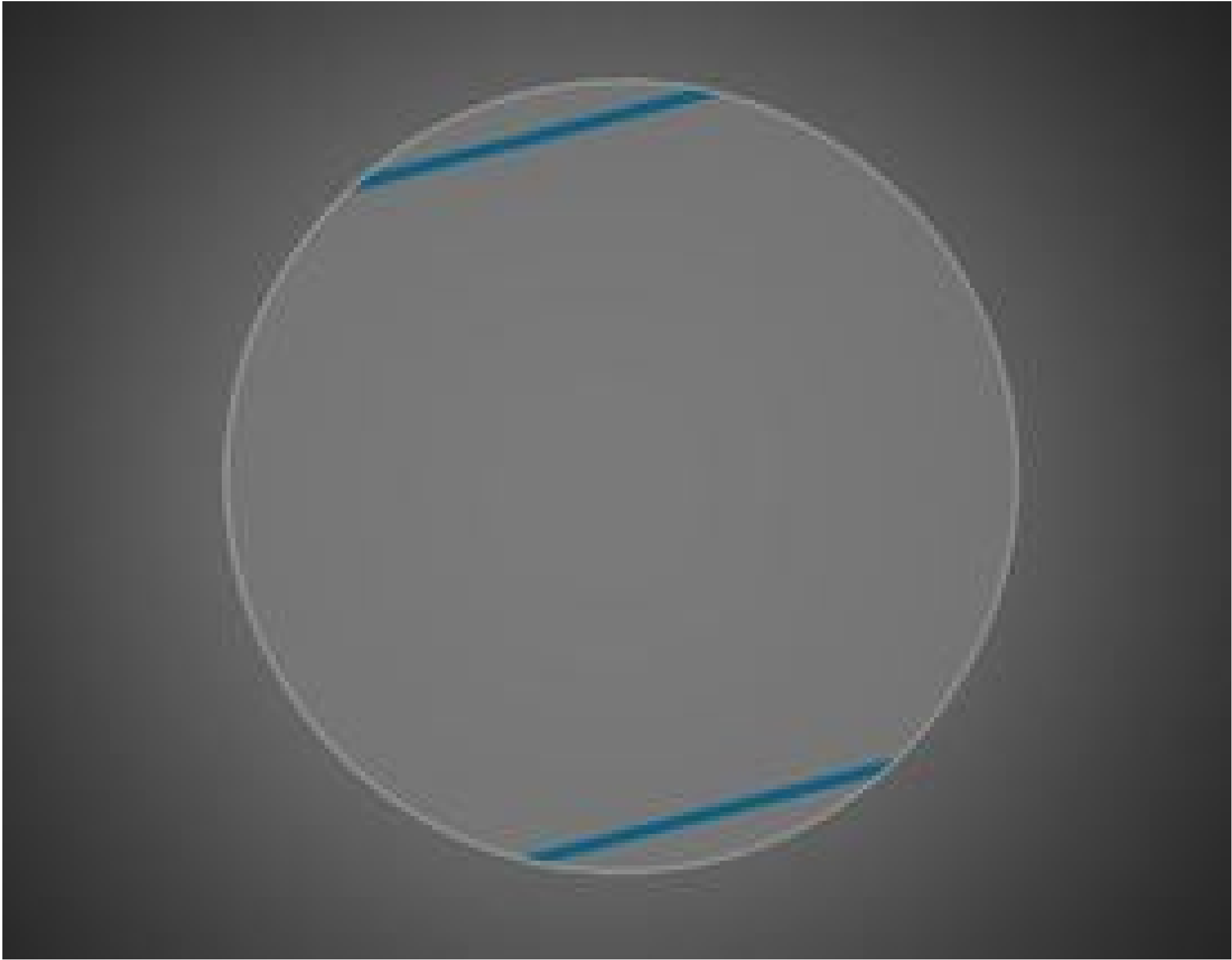


## Film-Format Achromatic Polymer Retarder $\lambda/4$ 25.4mm Dia AR



Stock **#70-574** 1 In Stock

-

1

+

₹52,549

ADD TO CART

| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-10       | ₹52,549 each                  |
| Qty 11-25      | ₹42,117 each                  |
| Qty 26+        | ₹36,823 each                  |
| Need More?     | <a href="#">Request Quote</a> |

Product Downloads

General

Note:

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

Physical & Mechanical Properties

|                |                 |
|----------------|-----------------|
| 25.40 +/- 0.15 | Diameter (mm):  |
| 0.55 Nominal   | Thickness (mm): |

| Optical Properties                                                                                                                                              |                         |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|
| ±10                                                                                                                                                             | Angle of Incidence (°): |
| Polymer Stack                                                                                                                                                   | Substrate: □            |
|                                                                                                                                                                 |                         |
| $\lambda/4 \pm \lambda/100$                                                                                                                                     | Retardance:             |
| 60-40                                                                                                                                                           | Surface Quality:        |
|                                                                                                                                                                 |                         |
| Coating Specification:<br>BBAR: R<= 0.75% @ 700-1100nm (per surface)                                                                                            |                         |
| 700 - 1100                                                                                                                                                      | Wavelength Range (nm):  |
|                                                                                                                                                                 |                         |
| Damage Threshold, By Design: □<br>500 Watt/cm <sup>2</sup> CW, .3 J/cm <sup>2</sup> 10 nsec pulses @ 532nm, 2 J/cm <sup>2</sup> 20 nsec pulses @ 1064nm typical |                         |
| 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:                  |
|                                     |                             |
| United States                       | Country of Origin:          |
| Edmund Optics India Private Limited | Imported By:                |

## 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  $\lambda/2$  retarders and 0.55mm thickness for  $\lambda/4$  retarders. Available either uncoated or with an AR-Coating, these retarders offer a retardance tolerance of  $\lambda/100$  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.