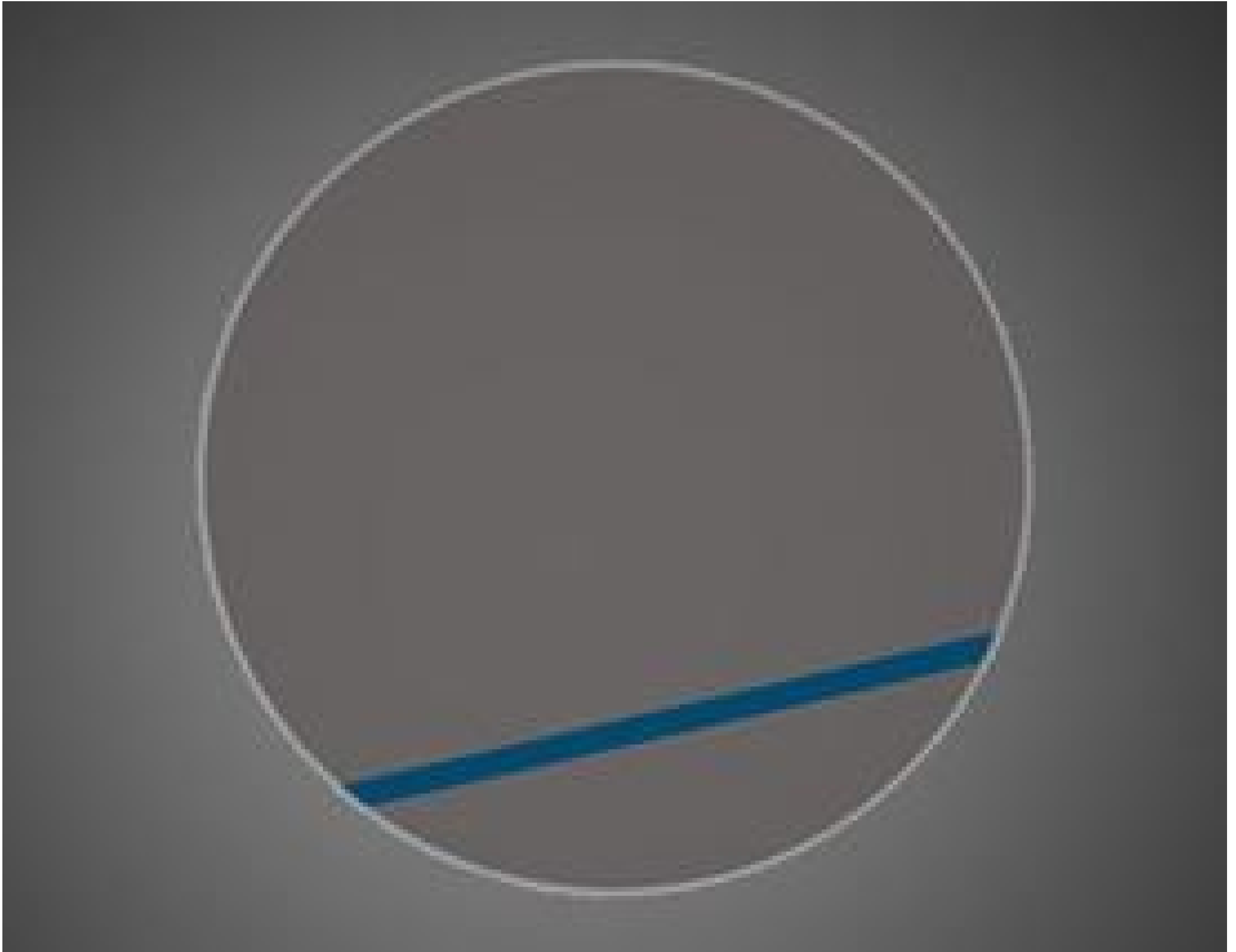


[See all 6 Products in Family](#)

Film-Format Achromatic Polymer Retarder $\lambda/4$ 12.7mm Dia AR



Stock #70-573 **14 In Stock**

⊖ 1 ⊕ MRP ₹60,030

● Price inclusive of all taxes

ADD TO CART

Volume Pricing	
Qty 1-10	₹60,030 each
Qty 11-25	₹45,401 each
Qty 26+	₹42,072 each
Need More?	Request Quote

Product Downloads

General

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

Physical & Mechanical Properties

12.70 +/- 0.15 **Diameter (mm):**

Thickness (mm):

0.55 Nominal

Optical Properties

±10 **Angle of Incidence (°):**

Polymer Stack

Substrate: □

$N/4 \pm N/100$

Retardance:

60-40

Surface Quality:

Coating Specification:
BBAR: $R \leq 0.75\%$ @ 700-1100nm (per surface)

700 - 1100 **Wavelength Range (nm):**

Damage Threshold, By Design: □
500 Watt/cm² CW, .3 J/cm² 10 nsec pulses @ 532nm, 2 J/cm² 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:**

Imported By:
Edmund Optics India Private Limited
267, Greystone Building, Second Floor,
6th Cross Rd, Binnamangala,
Stage 1, Indiranagar, Bengaluru,
Karnataka, India 560038
Phone: +91- 80-6845 0000

Product Details

- Ultra-Thin $\leq 0.55\text{mm}$ Substrates for OEM Integration
- Options For 700-1100nm and 700-1550nm
- Wide Acceptance Angle Tolerance of $\pm 10^\circ$

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