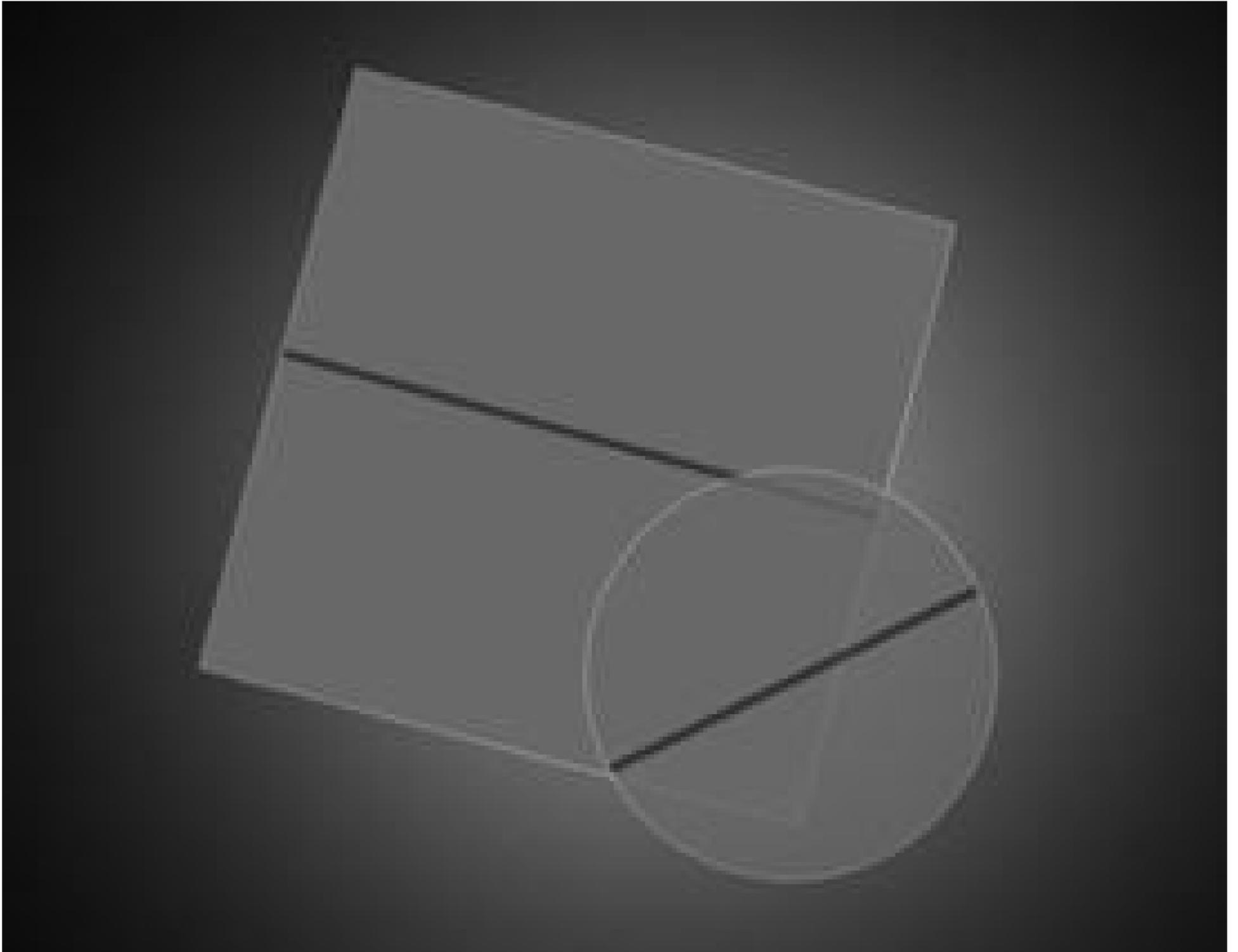


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## 10mm Dia. XP-NIR Commercial Grade NIR Polarizing Film



Stock #73-337 **NEW** 20+ In Stock

⊖ 1 ⊕ ₹1,801

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Volume Pricing	
Qty 1+	₹1,801 each
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### Product Downloads

### General

Linear Polarizer **Type:**

**Note:**  
Delivered with protective film on both sides  
Polarization axis indicated by notch cut into edge  
(circular parts) or stripe on protective film  
Pressure Sensitive Adhesive (PSA) on one side

### Physical & Mechanical Properties

10.00 +0/-0.3 **Diameter (mm):**

**Thickness (mm):**

0.21 +/- 0.025

**Construction:**

Polarizing Film

**Optical Properties**

**Coating:**

Uncoated

**Extinction Ratio:**

>160:1 from 800-1000nm (Average, Typical)

**Substrate:** □

XP-NIR Polarizing Film

**Wavelength Range (nm):**

800 - 1000

**Polarization Efficiency (%):**

>99.0 @ 860nm

**Transmission, Single (%):**

35 +/- 3.0 @ 860nm

**Environmental & Durability Factors**

**Heat Resistance (°C x Hours):**

105C x 500h (dry) Change in single transmittance @ 870nm <+/-5%  
60C x 1000h (90% humidity) Change in single transmittance @ 870nm <+/-5% from initial value, change in polarization efficiency @ 870nm <-3% from initial value

**Cold Resistance (°C x Hours):**

-40C x 1000h Change in single transmittance @ 870nm <+/-5% from initial value  
Change in polarization efficiency @ 870nm <-3% from initial value

**Regulatory Compliance**

**Certificate of Conformance:**

[View](#)

**Country of Origin:**

Japan

**Imported By:**

Edmund Optics India Private Limited

## 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](#).

## Product Details

- Optimized Performance Between 800-1000nm
- Ideal for Sensing and Inspection Applications
- Available in Sizes up to 600 x 900mm
- [Near-Infrared \(NIR\) Linear Polarizing Film](#) and [High Contrast Near-Infrared \(NIR\) Polarizing Film](#) also Available for Broadband IR Applications

Commercial Grade NIR Polarizing Film (XP-NIR) offers a cost-effective solution for polarization applications in the 800-1000nm range. This film offers contrast ratios of >160:1 (Average) and >99% polarization efficiency in the specified range, and its high environmental resistance makes it a great choice for demanding environments. Commercial Grade NIR Polarizing Film (XP-NIR) is delivered with a pressure sensitive adhesive (PSA) on one side and is available in circular or rectangular sizes, with up to a 50mm diameter or a 600 x 900mm format. This film is ideal for commercial sensing, inspection, and LIDAR applications.

**Note:** Custom sizes available up to 1000mm

## Technical Information

Commercial Grade NIR Polarizing Film (XP-NIR)

