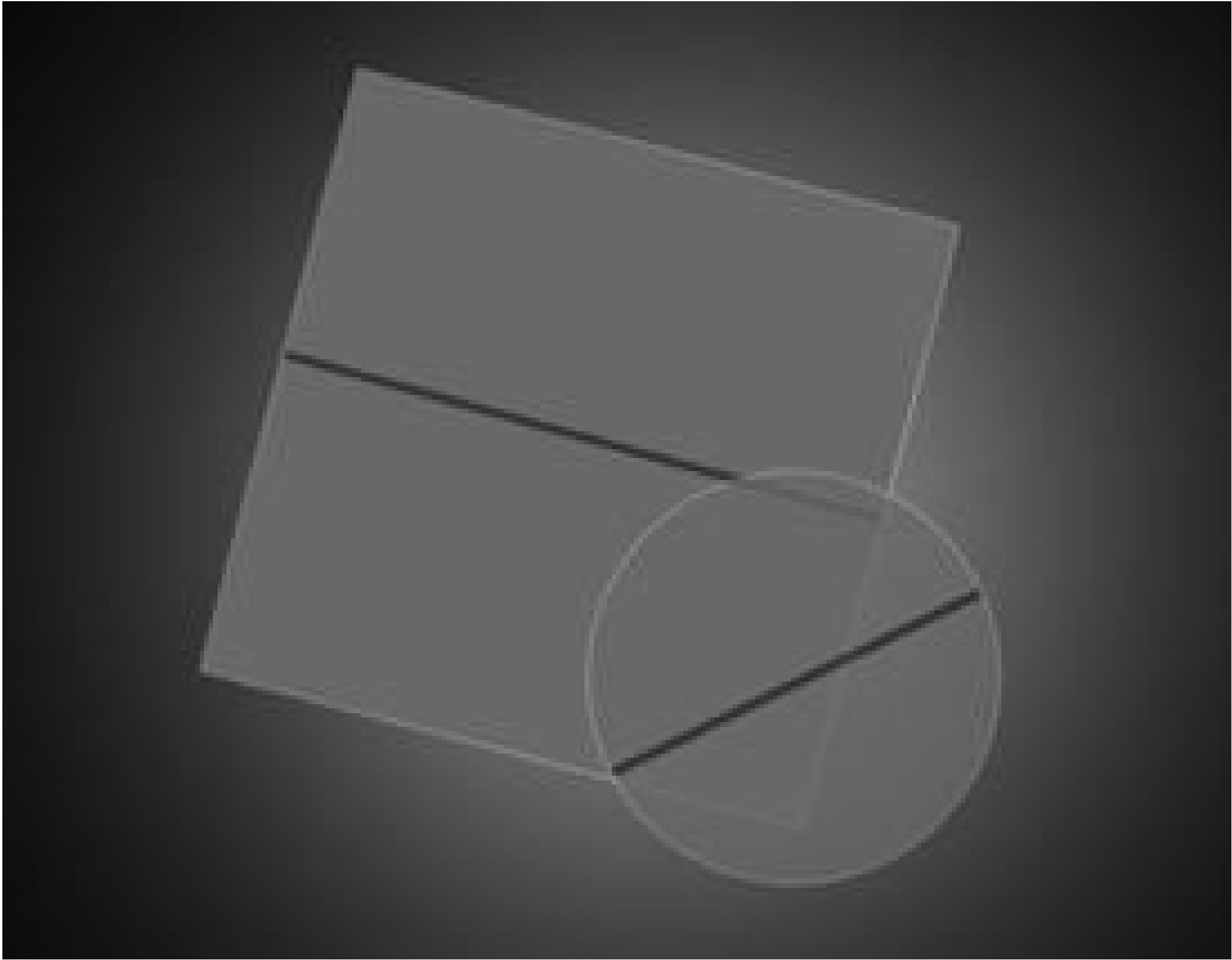


600mm x 900mm XP-NIR Commercial Grade NIR Polarizing Film



Stock **#73-375** CLEARANCE **9 In Stock**

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+

C\$1,085^{.00}

ADD TO CART

Volume Pricing	
Qty 1-5	C\$1,085.00 each
Qty 6-10	C\$868.00 each
Qty 11-25	C\$813.96 each
Need More?	Request Quote

Product Downloads

General

Type:

Linear Polarizer

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

600.00	Length (mm):
600 x 900 +/- 5.0	Dimensions (mm):
0.21 +/- 0.025	Thickness (mm):
Polarizing Film	Construction:
900.00	Width (mm):
Optical Properties	
Uncoated	Coating:
>160:1 from 800-1000nm (Average, Typical)	Extinction Ratio:
XP-NIR Polarizing Film	Substrate: □
800 - 1000	Wavelength Range (nm):
>99.0 @ 860nm	Polarization Efficiency (%):
35 +/- 3.0 @860nm	Transmission, Single (%):
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	
View	Certificate of Conformance:

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](#).

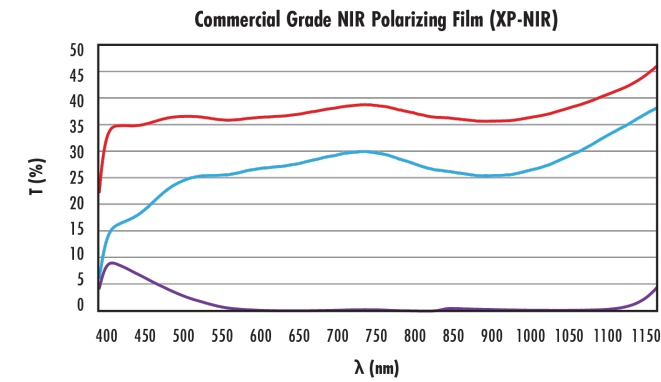
Product Details

- 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



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