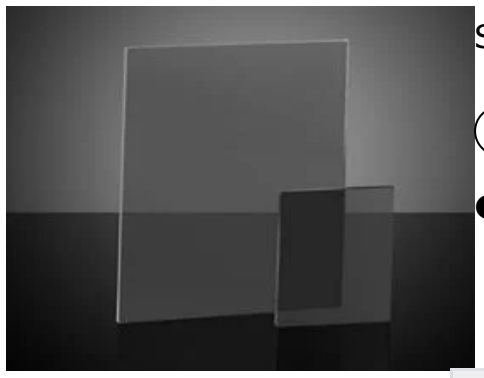
Broadband NIR Polarizing Film 20mm Dia



Stock #71-120 20+ In Stock

- 1 +

MRP ₹11,805

Price inclusive of all taxes

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Volume Pricing	
Qty 1-9	₹11,805 each
Qty 10-25	₹10,684 each
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Product Downloads

EO Spec Sheet

General

Type:	Linear Polarizer	**Note:**	Protective film both sides, polarization axis indicated but cutout on polarizer edge

Physical & Mechanical Properties

Diameter (mm):	20.00 +/- 0.25	**Thickness (mm):**	0.58 ±0.1
Dimensional Tolerance (mm):	+/- 0.25	**Construction:**	Polarizing Film

Optical Properties

Coating:	Uncoated	**Extinction Ratio:**	5,000:1 (400-760nm), 1350:1 (760-2200nm) Average, typical
Substrate: ⓘ	Polymer Film on TAC	**Transmission (%):**	Single: 26(400-760nm) 40(760-2200nm) Crossed: 0.0005 (400-760nm) 0.029 (760-2200nm)
Wavelength Range (nm):	400 - 2200	**Transmission, Single (%):**	26(400-760nm) 40(760-2200nm)
Transmission, Crossed (%):	0.0005 (400-760nm) 0.029 (760-2200nm)		

Environmental & Durability Factors

Operating Temperature (°C):	Heat Resistance 70°C Dry Cold Resistance -51°C

Regulatory Compliance

RoHS 2015:	**Compliant**	**Certificate of Conformance:**	**View**
Reach 240:	**Compliant**		
Country of Origin:	United States	**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

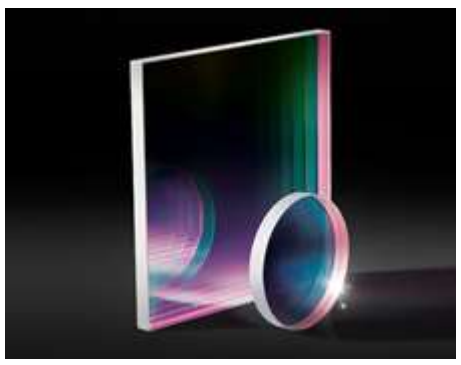
- Ideal for NIR Polarization Applications
- >400:1 Extinction Ratio from 800 - 2200nm
- High Efficiency Across Wavelength Range
- Durable Polymer Substrate

Near-Infrared (NIR) Linear Polarizing Film consists of a durable polymer substrate and is ideal for imaging applications that range from the visible to NIR (400 - 2200nm). This polarizing polymer film features an excellent average transmission of 39% with greater than 99.6% polarization efficiency for incident randomly polarized light between 760 and 2200nm. Multiple rectangular sizes are available to accommodate light sources that range from low power NIR lasers with small beam diameters, to larger LED light beams. Near-Infrared (NIR) Linear Polarizing Film is used in industrial imaging and laboratory applications, i.e. to attenuate the intensity of low output NIR lasers and LEDs or to reduce glare in images recorded using NIR photodetectors. The polarization axis is labelled on the protective masking of the polarizing polymer film for rectangular parts and as a notch cutout on the polarizing polymer film for circular parts.

Note: Remove protective masking before first use.

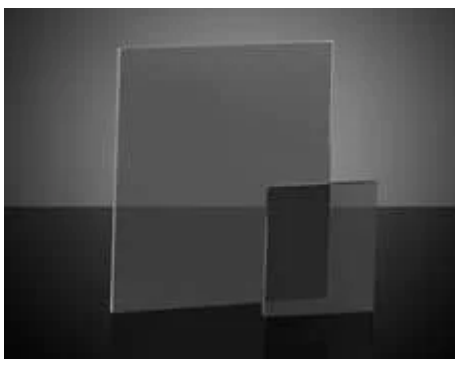
Technical Information

Frequently Purchased Together

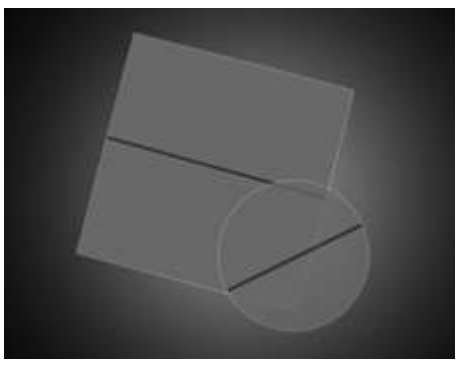


#86-450 - 25mm Diameter, 850nm Cut-On SWIR Longpass Filter
₹10,089
Qty

#73-326 - Narrow SWIR 1550nm C-Mount Bandpass Filter
₹40,356
Qty



#71-121 - Broadband NIR Polarizing Film 25mm Dia
₹15,739
Qty



#73-337 - 10mm Dia. XP-NIR Commercial Grade NIR Polarizing Film
₹2,572
Qty

Resources

Media Type

- [ ] Application Note
- [ ] Glossary
- [ ] Technical Tool
- [ ] Video
- [ ] FAQ

APPLICATION NOTE
Introduction to Polarization

GLOSSARY
NIR (Near Infrared)

GLOSSARY
VIS/NIR Coating

APPLICATION NOTE
The Correct Material for Infrared (IR) Applications

GLOSSARY
Infrared (IR) Spectrum

TECHNICAL TOOL
Laser-Cut Polymer Polarizer and Retarder...

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