

[See all 14 Products in Family](#)

Broadband NIR Polarizing Film 12.5mm Sq



Stock #71-118 **9 In Stock**

1 MRP ₹6,155

Price inclusive of all taxes

ADD TO CART

Volume Pricing	
Qty 1-9	₹6,155 each
Qty 10-25	₹5,599 each
Need More?	Request Quote

Product Downloads

General

Linear Polarizer **Type:**

Note:
Protective film both sides, polarization axis indicated but cutout on polarizer edge

Physical & Mechanical Properties

12.50 **Length (mm):**

12.5 x 12.5	Dimensions (mm):
0.58 ±0.1	Thickness (mm):
+/- 0.25	Dimensional Tolerance (mm):
Polarizing Film	Construction:
12.50	Width (mm):

Optical Properties

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

Environmental & Durability Factors

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

Regulatory Compliance

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

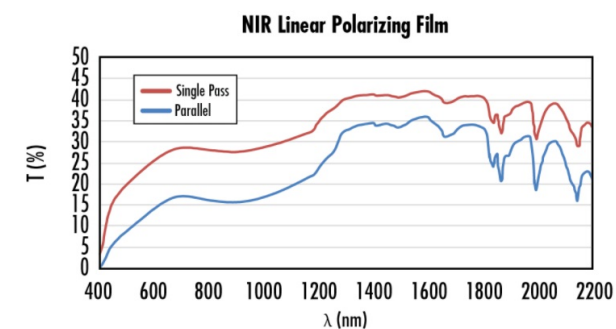
Product Details

- 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



NIR Linear Polarizing Film



;