

Stop press: -

New limited stock of 3M HN38S in 50 x 50 or 100 x 100 sheets contact our USA sales office

Linear sheet polarizers are used for a broad range of applications including the production of LCD monitors and TVs, photography and other lighting and entertainment systems such as projectors. Our UV and IR sheet polarizers extend the spectral range down to 290nm for the HNP'B replacement material and HR is used between 800nm to 2000nm. We have extensive stock of HR material in 76.2mm square sheets. The range from 800-860 the HN7 type offers superior performance at a reduced price. Working below 800nm HN22 is an ideal choice.

Knight Optical supply linear sheet type polarizers in a range of types. These sheet polarisers were formerly supplied by Polaroid/3M under the Vikuti brand. Although these sheets have since been made obsolete by the manufacturer, Knight Optical holds substantial stock of the original material including HN32, HN38 and HN42, and performance HN22, HN38S and HN42HE high extinction sheets.

Original polariser material is available both in standard stock sizes listed below, or cut to custom sizes on demand. These polariser sheets can also be purchased with protective glass or acrylic lamination where necessary.

We are also able to offer cost effective alternative sheets made from equivalent material manufactured to match the qualities of the original 3M polarisers. Where we are unable to offer original material due to limited stock we will endeavour to find a suitable replacement to match your application.

Please be aware original 3M sheet polarisers (HN22, HN32, HN38, HN38S, HN42 and HN42HE types) are no longer manufactured and are a limited stock item. While every effort is made to ensure that only those items we stock are listed on the website, we cannot guarantee availability. Please contact us for up to date stock information. We will always hold stock of equivalent material.

Transmission Data

Grade	Single Pass (%)	Parallel (%)	Crossed (%)	Material
HN22	22	10	0.0005	CAB
HN32	32	20	0.0050	CAB
HN38	38	29	0.0500	CAB
HN38S	38	29	0.0004	CAB
HN42	42	34	0.5000	CAB
HN42HE	42	34	0.0020	CAB
HN22 Equivalent	27	16	0.002	CTA
HN32 Equivalent	32	20	0.0050	CTA
HN38 Equivalent	38	30	0.0330	CTA
HN42 Equivalent	42	35	0.2270	CTA

Diameter: +0 /-0.25mm

Length/width: ±0.5mm (<100mm), ±1mm (100-400mm), nominal (>400mm)

Axis direction: ±2°

[Sheet polarisers \(UV & IR ranges\)](#)

[Circular polarisers \(HNCP37\)](#)

[Crystal polariser](#)

[Cube polariser \(Polarising Beamsplitters\)](#)

Options available We stock large sheets up to 1270x480mm in some cases;

- We can cut these into special shapes and sizes at short notice.
- Mounting options available.
- Special Glass laminating to CAB polarisers.
- Special AR coatings.

Docs and Drws

[Information sheet: How do circular and linear polarisers work?](#)

[Information sheet: polarisation](#)

[HN32 Sheet Polariser](#)

[HN32 Sheet Polariser](#)

[HN38 Sheet Polariser](#)

[HN38S Sheet Polariser](#)

[HN42 Sheet Polariser](#)

[HN42HE Sheet Polariser](#)

Our Sheet polarizers are checked for quality to the highest [QA standards](#) and meet the tolerance specifications on these **precision components**.

[Contact our technical sales team](#) to discover how Knight Optical's high quality Germanium Windows and superior service can improve your instrumentation and supply chain experience.

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- View our [QA and metrology information](#)
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- [View Our Corporate Brochure](#)

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