

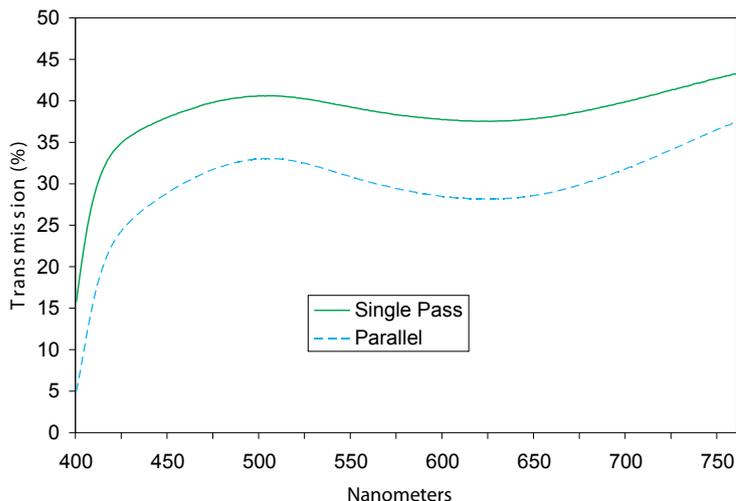
POLARISERS

Title: Linear Sheet Polariser

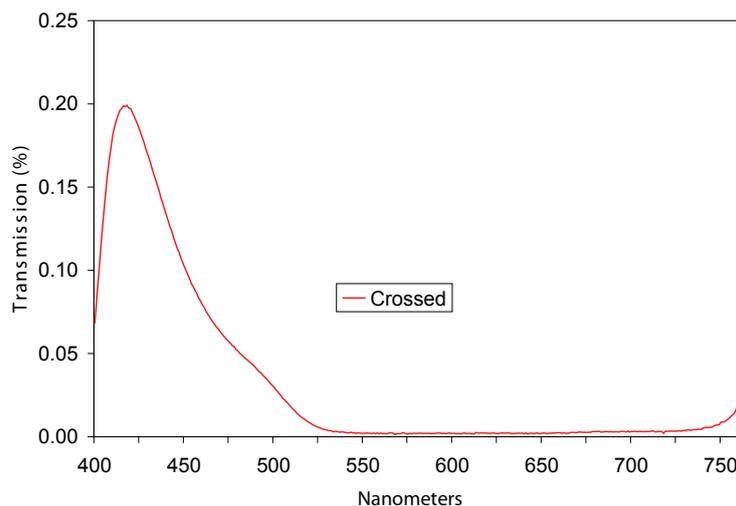
Material/Specification: HN38 replacement - Visible grade/ 38% transmission

Range/Description: POL-HN38-R

Single and Parallel Transmission in Unpolarized Light



Crossed in Unpolarized Light



Single: Transmittance for single film

Parallel: Transmittance for double film, axis parallel

Crossed: Transmittance for double film, axis crossed

Polariser: HN38 replacement

Type: Neutral Grey Linear Polariser

Substrate: Cellulose Triacetate

Transmission single pass: 38%

Transmission double pass, parallel: 30%

Transmission crossed: 0.033%

Efficiency: 99.91%

Operating temperature: -50°C to 70°C

Finish: Front and rear surfaces are smooth and uncoated

Other Options: Hard protective coatings on CT and Acrylic Polarisers/ Anti-Reflective coatings on Glass Laminated Polarisers

Typical Applications: Linear polarisers are used as a solution for a wide range of applications that require a reduction in glare from light reflection. Typical applications are camera filters, machine vision systems and screens.

Modulating the intensity of a light source can be accomplished by placing two polarisers on top of each other and rotating one against the other, this enables control over brightness. Typical applications are aircraft cabin windows and telescope filters.

Stress analysis can also benefit from the use of a polariser. Transparent plastics become birefringent when stressed. A linear polariser allows you to visually see the stress patterns evident by dark isochromatic fringes.

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