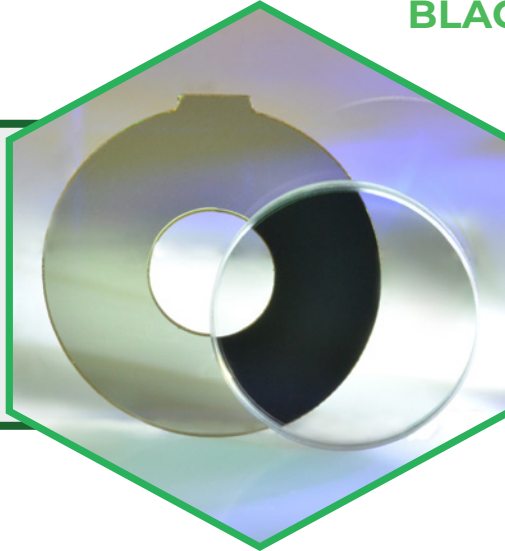


Polymer Sheet Polarizers

BLACK AND WHITE!

Why?

- UV and IR wavelength ranges
- High polarization contrast
- Cost effective



Our offer in detail:

The dichroic and wire grid polarizers from Artifex Engineering are manufactured using high quality polymers covering various wavelength ranges. We offer these polarizers as naked sheets with or without adhesive or as a sandwich construction laminated between extremely flat glass windows to achieve sharp imaging results. The high extinction ratio ensures high contrast; the constant high transmission level gives good colour rendition. Black and white!

The native material is manufactured in large sheets. We will provide any shape or size via laser cutting from the sheets with a dimensional tolerance of $\pm 0.25\text{mm}$. Polarizers with adhesive withstand up to 60°C , without adhesive up to 80°C .

Applications include biotechnology and medicine, machine vision, display and consumer products. Whatever your application: the high polarization and low distortion of these optics is impressive.

Specifications:

Type:	Wavelength Range [nm]	Thickness [μm]	Adhesive [yes/no]	Comments
IR1750	700-1750	400	no	Real IR! High optical quality
NIR950	550-950	400	no / (yes)	Designed for sensors and LEDs
WG1100	400-1100	80	no / (yes)	Wire grid: non absorbing polarizing beamsplitter
VIS950	420-1600	500	no	Extremely broadband
VIS700	400-750	100	no / yes	High transmission, high contrast
UV770	320-760	190	no	UV!

¹ External = current follows trigger. Synchronous = pulse duration per software and start time per external trigger.

Your problem is our challenge - flexibility is our standard:

Please contact us for customized units. We will gladly adapt, for example, the current range or the casing to suit your application. Let us know your requirements.