

# Polarizing Sheets

## HIGH TEMPERATURE POLARIZERS

MidOpt's PG120, HT008 and HT025 are resistant to high temperature illumination. They solve the temperature sensitivity issues that are common with standard polarizing films, which typically fail or curl when introduced to high heat for an extended period of time.

The PG120 has an anti-reflection oleophobic coating to maximize transmission while repelling dirt and oil—making it the perfect polarizer for industrial imaging.

**Temp. Rating:** PG120/HT008: 115°C x 240 hours;  
HT025: 100°C x 240 hours & 90C x 1000 hours.

### PG120 CAN WITHSTAND HIGHER TEMPERATURES THAN TYPICAL FILM



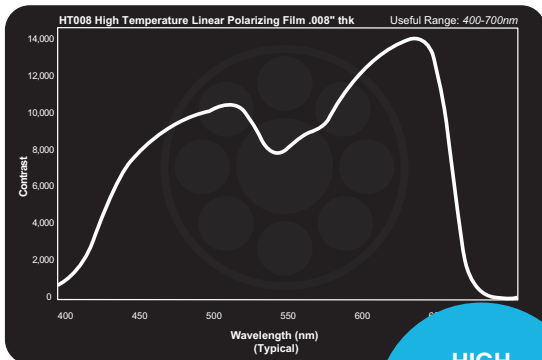
PG120 Ultra High Contrast Glass Linear Polarizer



Traditional polarizer film when exposed to high temperatures



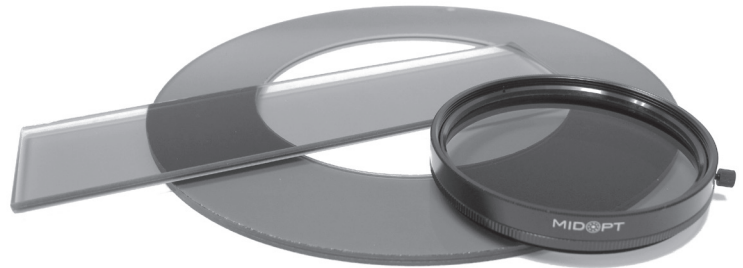
High-temperature-emitting LED



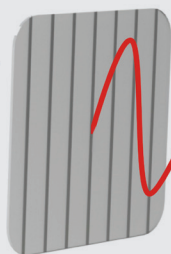
**HIGH  
CONTRAST &  
TEMPERATURE  
RESISTANT**

Part #	Description	Thickness	*	Useful Range	Contrast Ratio
LINEAR POLARIZING FILM					
HT025	High Temperature Polarizing Film	.025"	L	400-700nm	5000:1
HT008	High Temperature Polarizing Film	.008"	L	400-700nm	10,000:1
HTA008	High Temperature Polarizing Film, Self Adhesive	.008"	L	400-700nm	10,000:1
PG120	High Temperature Ultra High Contrast Polarizing Film	.118"	G	400-700nm	10,000:1

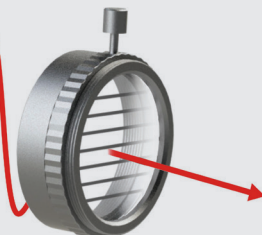
\*G = Glass; L = Laminate; Circular Polarizing Sheets available in Left and Right-handed options



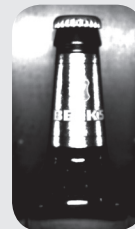
## HOW IT WORKS



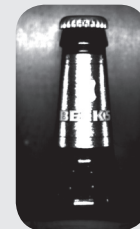
LINEAR POLARIZING FILM  
(for Light Source)



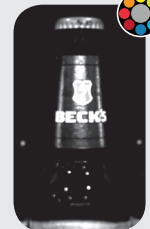
LINEAR POLARIZING FILTER  
(for Lens) Rotate perpendicular to the axis of polarization of the Linear Polarizing Film for maximum glare reduction.



No Filter



Polarizing Filter



Polarizing Filter & Film

Best results are achieved when Polarizing Film is used over the light source in conjunction with a Polarizing Filter over the camera lens.