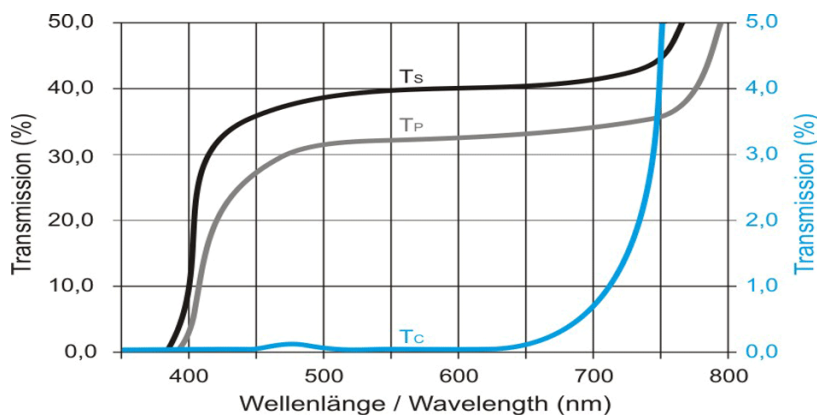


POLYMER POLARIZING FILMS AND RETARDERS BY EO

XP40HT - LINEAR POLARIZER



The XP40HT is a high quality polarizer sheet with extremely high heat resistance. It is the most suitable type of polarizer for applications where high temperatures are unavoidable (i.e. illumination systems in photography or “ruggedized” applications).

APPLICATION AREAS:

- Photography and digital image processing
- 3D projection systems
- Optical inspection systems

SPECIFICATION	UNIT	VALUE
Transmission. TS*	%	42+/-2
Transmission Parallel. TP*	%	32.2
Transmission Crossed. TC*	%	<0.005
Extinction Ratio	%	up to 5,000:1
Polarizing efficiency. P	%	>99.5
Hue	A	-1.4 +/- 2.0
	B	+4.5 +/- 2.5

TS* = Transmission of a single polarizer

TP* = Transmission of two parallel polarizers

TC* = Transmission of two crossed polarizers

*the figures given are typical and therefore not guaranteed

RESISTANCE	VALUE	NOTE
Operating Temperature Range	-40°C to +80°C	
Heat Resistance	100°C x 1,000h	Deterioration of transmittance up to ± 5% from initial value
Humidity Resistance	80°C x 90% x 1,000h	Deterioration of polarizing efficiency up to ± 3% from initial value

No bubbles or delamination should be visible.

FORM OF DELIVERY:

Custom sizes available on demand. The direction of polarization is parallel to the first-mentioned dimension. Protective films on both sides should be removed before using the polarizers within your application. We reserve the right to change the technical specifications at any time.

Find out more about our polarizers: www.edmundoptics.com/ltos-Polarizers