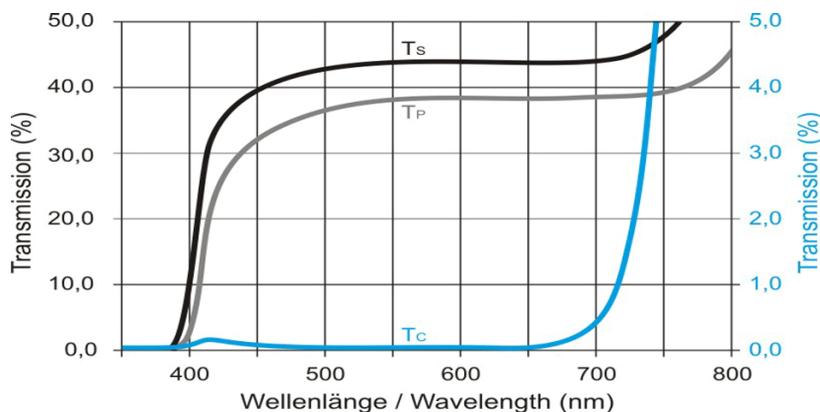


POLYMER POLARIZING FILMS AND RETARDERS BY EO

XP44 LINEAR POLARIZER



The XP44 is an optimized sheet polarizer offering the highest possible light transmission. The polarizer distinguishes itself through its excellent polarization within the visible region absorption spectrum of 400-700nm. This filter is typically used for applications where maximum light transmission is required.

APPLICATION AREAS:

- Illumination
- Optical instruments

SPECIFICATION	UNIT	VALUE
Transmission Single, TS*	%	44.2 +/- 1.5
Transmission Parallel, TP*	%	38.6
Transmission Crossed, TC*	%	<0.02
Extinction Ratio	%	up to 2,000:1
Polarizing efficiency, P	%	>99.95
Hue	A	-1.2 +/- 2.0
	B	+3.5 +/- 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	80°C x 500h	Deterioration of transmittance up to ±3% from initial value
Humidity Resistance	60°C x 90% x 500h	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