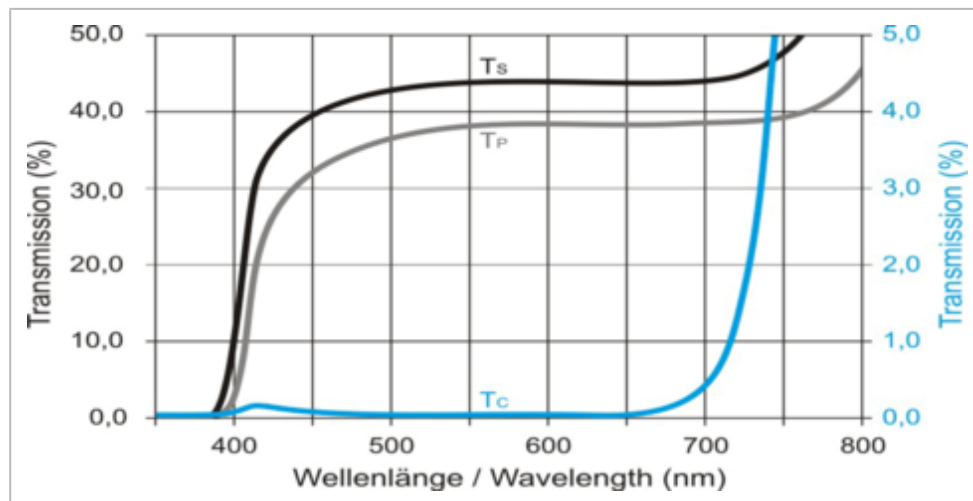


XP44 - LINEAR POLARIZER



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

Dimension	Thickness	Characteristics
500 mm x 1,000 mm	0.215 mm	Sheet, adhesive
210 mm x 300 mm	0.19 mm	Sheet
500 mm x 1,000 mm	0.405 mm	Sheet

Resistance	Unit	Value
Heat resistance	°C x hours	80×500
Cold resistance	°C x hours	-40×500
Humidity resistance	°C x hours	60×90% RH×500
Transmission variance after 500h	%	<+/-5

Form of delivery:

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.