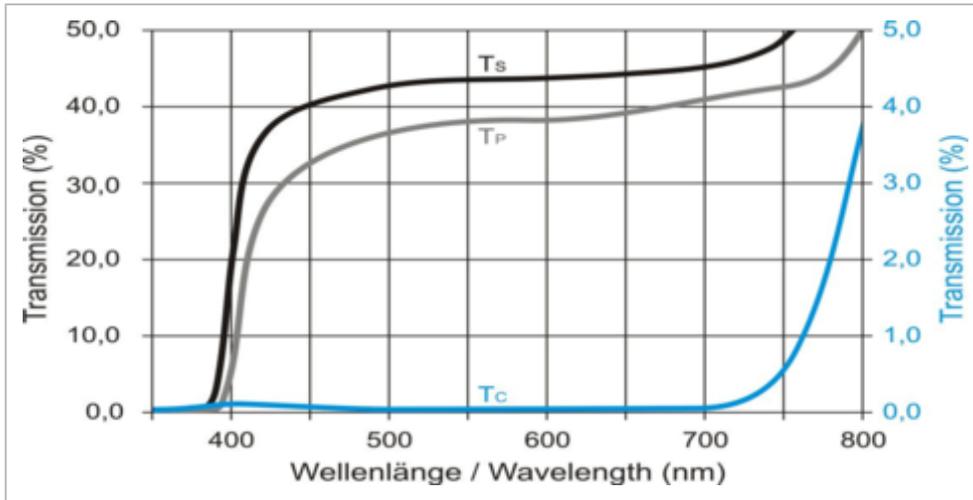


XP42 LINEAR POLARIZER



The XP42 is a high quality, neutral grey polarizer sheet of the newest generation. Through its high transmission and polarization of 400-700nm (i.e. within the visible region absorption spectrum) the polarizers can be used for many different types of applications.

Application areas:

- Sensors
- Measuring devices
- Stress analyzers
- Optical instruments

Spezifikation	Unit	Value
Transmission Single, TS*	%	42 +/- 2
Transmission Parallel, TP*	%	36.4
Transmission Crossed, TC*	%	< 0.004
Extinction Ratio	%	up to 9,000:1
Polarizing efficiency, P	%	> 99.98
Hue	a	-1.1 +/- 2.0
	b	+4.0 +/- 2.0

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
600 mm x 1,000 mm	0.215 mm	Sheet, adhesive
600 mm x 1,000 mm	0.190 mm	Sheet
600 mm x 900 mm	0.405 mm	Sheet
600 mm x 900 mm	0.765 mm	PMMA-Laminate
600 mm x 900 mm	2.215 mm	PMMA-Laminate
600 mm x 900 mm	3.215 mm	PMMA-Laminate

Resistance	Unit	Value
Heat Resistance	°C x hours	80x500
Cold Resistance	°C x hours	-40x500
Humidity Resistance	°C x hours	60x90% RHx500
Transmission Variance after 500h	%	<+/-5

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.