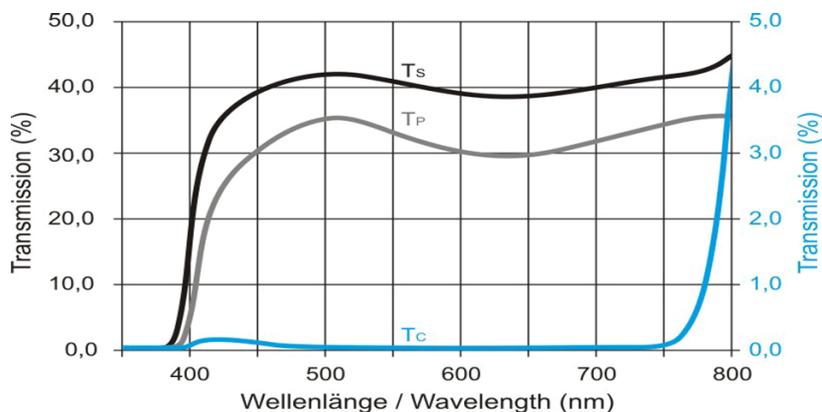


POLYMER POLARIZING FILMS AND RETARDERS BY EO

XP38 LINEAR POLARIZER



The XP38 is a high quality, neutral grey polarizer sheet offering the best balance between transmission and polarization of 400-700nm. Therefore the polarizers can be used for almost any application.

APPLICATION AREAS:

- Sensors
- Measuring devices
- Stress analyzers
- Optical instruments

SPECIFICATION	UNIT	VALUE
Transmission Single, TS*	%	38.5 +/- 2 (400-750nm)
Transmission Parallel, TP*	%	30.1
Transmission Crossed, TC*	%	<0.004
Extinction Ratio	%	Up to 7,500:1
Polarizing efficiency, P	%	>99.98
Hue	a	-1.35 +/- 2.0
	b	+0.8 +/- 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

MAX. AVAILABLE DIMENSIONS	THICKNESS	CHARACTERISTICS
600mm x 1.000mm	0.19mm	Sheet
600mm x m	0.19mm	Rolls

Find out more about our polarizers: www.edmundoptics.eu

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RESISTANCE	VALUE	NOTE
Operating Temperature Range	-20°C to +70°C	
Heat Resistance	70°C x 240h	Deterioration of transmission up to ±5% from initial value
Humidity Resistance	40°C x 95% x 240h	Deterioration of polarizing efficiency up to ±5% from initial value

No bubbles or delamination should be visible > 0.2mm

Only available in custom sizes. 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.