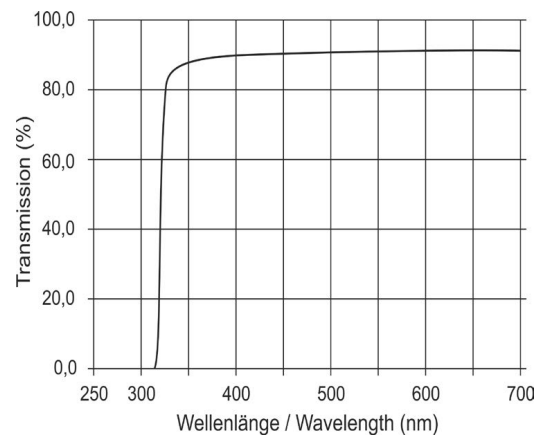
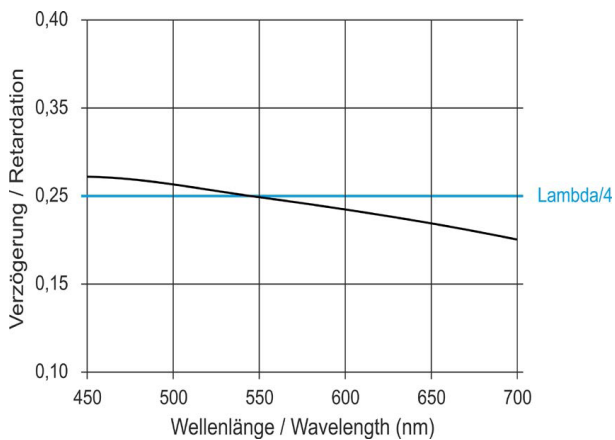


# POLYMER POLARIZING FILMS AND RETARDERS BY EO

## WP140HE RETARDER



The WP140HE is a highly transparent optical retarder with a quarter-wave retardance for 560nm. The achromatic properties of the polymer film based on polycarbonate allows the use of the quarter-wave sheet within the range 450-650nm.

### APPLICATION AREAS:

- Circular polarizer
- Polarization state inversion

SPECIFICATION	UNIT	VALUE
Retardation	nm	147 +/- 4
Range	nm	450 - 650
Dispersion	R450/R550	0.90+/-0.03
	R650/R550	1.04+/-0.03
Refractive Index		1.58
Transmission	%	>89
Haze	%	<1
Temperature Range	°C	-40 / +120
Dimension	mm	500x600
	mm	300x300
Thickness	µm	53+/-3
Material		Modified PC film

The retardation axes are parallel to the film edges. The fast axis orientation is labeled on the protective film. If the protective film has already been removed we recommend the use of Polarization Tester #37-699 to determine the fast axis orientation. We reserve the right to change the technical specifications at any time.

Find out more about our polarizers: [www.edmundoptics.com/ltos-polarizers](http://www.edmundoptics.com/ltos-polarizers)