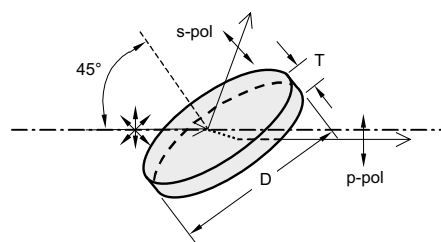


THIN FILM POLARIZERS (45° Angle of Incidence)

These thin film polarizers separate or combine the s- and p-polarization components at 45° angle of incidence. They are designed for use in high energy lasers. Polarizers are made from UV FS and feature high laser damage threshold reaching 10 J/cm² at 1064 nm.



Specifications

Substrate material	UV FS
Surface quality	20 – 10 scratch & dig (MIL-PRF-13830B)
Clear aperture	>90% of diameter
Angle of incidence (AOI)	45 ± 2°
Parallelism	<30 arcsec

THIN FILM POLARIZERS WITH HIGH EXTINCTION RATIO

Round Polarizers.

Material – UV FS. Tp > 98%, Ts < 0.1%; Extinction ratio for transmitted light Tp/Ts: >1000:1

Wavelength, nm	Diameter D, mm	Thickness T, mm	Catalogue number	Price, EUR
343	25.4	3.0	420-1242i45HE	377
355	25.4	3.0	420-1252i45HE	377
515	25.4	3.0	420-1244i45HE	339
532	25.4	3.0	420-1254i45HE	339
800	25.4	3.0	420-1256i45HE	351
1030	25.4	3.0	420-1248i45HE	362
1053	25.4	3.0	420-1238i45HE	362
1064	25.4	3.0	420-1258i45HE	362
343	50.8	6.0	420-1512i45HE	736
355	50.8	6.0	420-1502i45HE	736
515	50.8	6.0	420-1514i45HE	638
532	50.8	6.0	420-1504i45HE	638
800	50.8	6.0	420-1506i45HE	679
1030	50.8	6.0	420-1518i45HE	713
1053	50.8	6.0	420-1538i45HE	713
1064	50.8	6.0	420-1508i45HE	713

STANDARD THIN FILM POLARIZERS

Round Polarizers.

Material – UV FS. Rs / Tp > 99.5 / 95.0%. Extinction ratio for transmitted light Tp/Ts >200:1

Wavelength, nm	Diameter D, mm	Thickness T, mm	Catalogue number	Price, EUR
343	25.4	3.0	420-1242i45	274
355	25.4	3.0	420-1252i45	274
515	25.4	3.0	420-1244i45	230
532	25.4	3.0	420-1254i45	230
1030	25.4	3.0	420-1248i45	259
1053	25.4	3.0	420-1238i45	259
1064	25.4	3.0	420-1258i45	259
343	50.8	6.0	420-1512i45	523
355	50.8	6.0	420-1502i45	523
515	50.8	6.0	420-1514i45	454
532	50.8	6.0	420-1504i45	454
1030	50.8	6.0	420-1518i45	506
1053	50.8	6.0	420-1538i45	506
1064	50.8	6.0	420-1508i45	506