

IUV-360

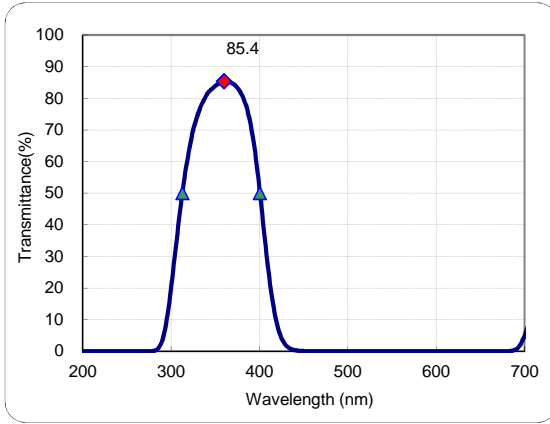
UV transmitting, Visible absorbing filter

*You can not use Macro security setting yet. Please refer to "MACRO SETTING" to use this page.

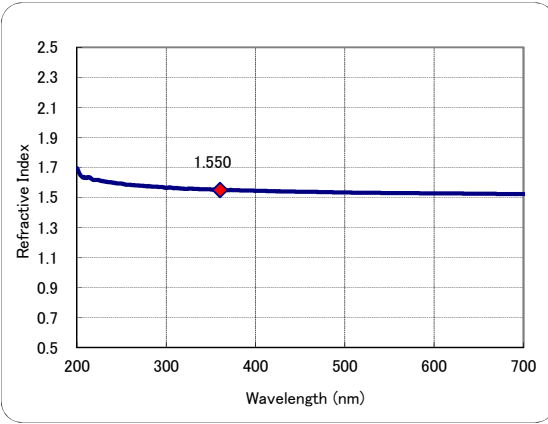
- All data are mean values of various melts.
- Change thickness and condition to check variations of data.→

Condition	Thickness	2.5mm
Current data are approximate values.		

● Transmittance



● Refractive index



<Meaning of sign>

- λ (nm) :Wavelength
- T (%) :External Transmittance
- τ :Internal Transmittance
- OD :Optical Density
- n_m :Refractive Index
- k_m :Extinction Coefficient

- ◆ < Set wavelength >
- ▲ <Transmittance50%>
- ▲ <Transmittance50%>
- d-line(587.56nm)
- e-line(546.07nm)

λ (nm)	T(%)	τ	OD	n _m	k _m
360	85.4	0.938	0.07	1.550	7.364E-07
312.6	50.0	0.551	0.30	1.562	5.926E-06
400.5	50.0	0.549	0.30	1.544	7.655E-06
587.56	4.2E-05	4.6E-07	6.37	1.527	2.728E-04
546.07	2.7E-05	2.9E-07	6.57	1.530	2.615E-04

λ (nm)	T(%)	τ	OD	n _m	k _m
200	2.4E-03	2.8E-05	4.62	1.694	6.684E-05
210	1.6E-03	1.8E-05	4.79	1.631	7.292E-05
220	1.2E-03	1.3E-05	4.92	1.615	7.859E-05
230	1.6E-03	1.8E-05	4.80	1.607	8.017E-05
240	1.1E-03	1.2E-05	4.96	1.599	8.649E-05
250	5.9E-04	6.6E-06	5.23	1.592	9.495E-05
260	4.4E-04	4.9E-06	5.36	1.584	1.012E-04
270	6.9E-04	7.6E-06	5.16	1.579	1.013E-04
280	0.1	0.001	3.03	1.575	6.137E-05
290	3.5	0.038	1.46	1.571	3.012E-05
300	20.0	0.221	0.70	1.563	1.442E-05
310	44.4	0.489	0.35	1.562	7.051E-06
320	63.0	0.693	0.20	1.557	3.730E-06
330	74.7	0.821	0.13	1.556	2.066E-06
340	80.9	0.890	0.09	1.554	1.263E-06
350	84.0	0.923	0.08	1.553	8.958E-07
360	85.4	0.938	0.07	1.550	7.364E-07
370	84.6	0.929	0.07	1.548	8.715E-07
380	81.1	0.890	0.09	1.547	1.414E-06
390	71.7	0.787	0.14	1.545	2.977E-06
400	51.4	0.564	0.29	1.544	7.300E-06
410	25.8	0.283	0.59	1.543	1.647E-05
420	8.4	0.092	1.08	1.541	3.192E-05
430	1.9	0.020	1.73	1.540	5.324E-05
440	0.3	0.004	2.47	1.539	7.833E-05
450	0.1	0.001	3.18	1.538	1.036E-04
460	1.5E-02	1.7E-04	3.81	1.537	1.272E-04
470	4.2E-03	4.6E-05	4.38	1.536	1.495E-04
480	1.3E-03	1.4E-05	4.89	1.535	1.707E-04
490	4.5E-04	4.9E-06	5.35	1.534	1.906E-04
500	2.1E-04	2.3E-06	5.68	1.533	2.066E-04
510	1.1E-04	1.2E-06	5.94	1.532	2.207E-04
520	6.1E-05	6.7E-07	6.22	1.531	2.354E-04
530	3.7E-05	4.0E-07	6.44	1.531	2.485E-04
540	2.6E-05	2.9E-07	6.58	1.530	2.588E-04

λ (nm)	T(%)	τ	OD	n _m	k _m
550	3.1E-05	3.4E-07	6.50	1.529	2.606E-04
560	3.7E-05	4.0E-07	6.44	1.529	2.625E-04
570	4.2E-05	4.6E-07	6.37	1.528	2.647E-04
580	4.2E-05	4.6E-07	6.37	1.528	2.693E-04
590	4.2E-05	4.6E-07	6.37	1.527	2.740E-04
600	6.8E-05	7.4E-07	6.17	1.527	2.696E-04
610	8.9E-05	9.8E-07	6.05	1.526	2.687E-04
620	1.3E-04	1.4E-06	5.88	1.526	2.656E-04
630	1.9E-04	2.1E-06	5.72	1.526	2.626E-04
640	2.5E-04	2.8E-06	5.60	1.525	2.607E-04
650	3.9E-04	4.3E-06	5.41	1.525	2.557E-04
660	5.1E-04	5.5E-06	5.30	1.525	2.543E-04
670	7.2E-04	7.8E-06	5.14	1.523	2.508E-04
680	1.4E-02	1.5E-04	3.85	1.523	1.899E-04
690	0.6	0.006	2.26	1.523	1.123E-04
700	4.8	0.052	1.32	1.523	6.568E-05
750	59.0	0.644	0.23	1.522	1.051E-05
800	60.7	0.662	0.22	1.521	1.052E-05
900	34.5	0.374	0.46	1.502	2.818E-05
1000	13.9	0.151	0.86	1.503	6.011E-05
1100	4.5	0.049	1.35	1.500	1.058E-04
1200	2.8	0.031	1.55	1.499	1.333E-04
1300	3.1	0.034	1.50	1.498	1.398E-04
1400	4.3	0.047	1.36	1.496	1.363E-04
1500	3.0	0.033	1.52	1.494	1.636E-04
1600	3.5	0.038	1.45	1.492	1.664E-04
1700	3.2	0.035	1.49	1.492	1.813E-04
1800	2.8	0.030	1.55	1.491	2.004E-04
1900	3.6	0.039	1.44	1.489	1.959E-04
2000	4.4	0.047	1.36	1.488	1.942E-04

Spectrophotometer used HITACHI U-4100.

Date14/12/09

