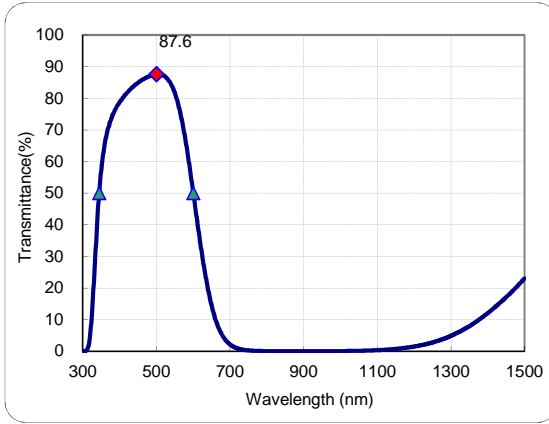


*You can not use Macro security setting yet. Please refer to "MACRO SETTING" to use this page.

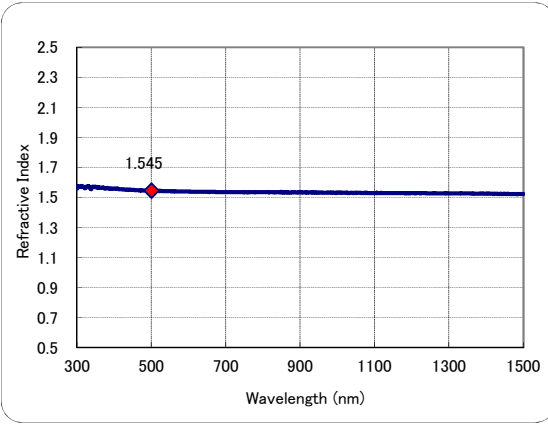
- All data are mean values of various melts.
- Change thickness and condition to check variations of data.→

Condition	Thickness	1mm
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
500	87.6	0.960	0.06	1.545	1.615E-06
344.6	50.0	0.553	0.30	1.569	1.627E-05
600.2	50.0	0.548	0.30	1.539	2.873E-05
587.56	60.3	0.661	0.22	1.539	1.936E-05
546.07	82.9	0.908	0.08	1.541	4.207E-06

λ (nm)	T(%)	τ	OD	n_m	k_m
300	7.5E-04	8.2E-06	5.13	1.558	2.795E-04
310	0.3	2.8E-03	2.60	1.571	1.452E-04
320	5.2	0.057	1.29	1.565	7.298E-05
330	21.7	0.240	0.66	1.573	3.747E-05
340	42.4	0.469	0.37	1.567	2.051E-05
350	57.1	0.631	0.24	1.568	1.282E-05
360	65.8	0.725	0.18	1.563	9.195E-06
370	70.9	0.782	0.15	1.566	7.224E-06
380	74.3	0.819	0.13	1.562	6.033E-06
390	76.8	0.845	0.11	1.558	5.220E-06
400	78.7	0.867	0.10	1.558	4.559E-06
410	80.3	0.883	0.10	1.556	4.050E-06
420	81.7	0.898	0.09	1.555	3.596E-06
430	82.9	0.911	0.08	1.552	3.192E-06
440	84.0	0.923	0.08	1.553	2.818E-06
450	84.9	0.932	0.07	1.550	2.512E-06
460	85.7	0.940	0.07	1.548	2.246E-06
470	86.4	0.948	0.06	1.547	2.016E-06
480	86.9	0.953	0.06	1.546	1.828E-06
490	87.4	0.958	0.06	1.545	1.675E-06
500	87.6	0.960	0.06	1.545	1.615E-06
510	87.6	0.960	0.06	1.544	1.673E-06
520	87.1	0.955	0.06	1.543	1.914E-06
530	86.1	0.943	0.06	1.542	2.458E-06
540	84.4	0.924	0.07	1.542	3.391E-06
550	81.7	0.894	0.09	1.541	4.883E-06
560	77.7	0.851	0.11	1.540	7.166E-06
570	72.5	0.794	0.14	1.539	1.047E-05
580	66.0	0.723	0.18	1.540	1.495E-05
590	58.4	0.640	0.23	1.539	2.096E-05
600	50.2	0.550	0.30	1.539	2.856E-05
610	41.7	0.457	0.38	1.538	3.802E-05
620	33.5	0.367	0.47	1.537	4.942E-05
630	26.1	0.286	0.58	1.537	6.272E-05
640	19.7	0.216	0.70	1.536	7.802E-05

λ (nm)	T(%)	τ	OD	n_m	k_m
650	14.5	0.158	0.84	1.537	9.530E-05
660	10.2	0.112	0.99	1.537	1.152E-04
670	7.1	0.077	1.15	1.537	1.364E-04
680	4.8	0.053	1.32	1.536	1.592E-04
690	3.2	0.035	1.49	1.535	1.837E-04
700	2.1	0.023	1.68	1.535	2.100E-04
710	1.4	0.015	1.86	1.536	2.374E-04
720	0.9	0.010	2.05	1.535	2.654E-04
730	0.6	0.006	2.24	1.535	2.939E-04
740	0.4	0.004	2.42	1.535	3.224E-04
750	0.3	0.003	2.59	1.535	3.505E-04
760	0.2	0.002	2.75	1.534	3.780E-04
770	0.1	0.001	2.91	1.536	4.045E-04
780	0.1	0.001	3.05	1.534	4.298E-04
790	0.1	0.001	3.17	1.535	4.534E-04
800	0.1	0.001	3.28	1.536	4.756E-04
850	1.9E-02	2.1E-04	3.72	1.536	5.733E-04
900	9.5E-03	1.0E-04	4.02	1.534	6.567E-04
950	2.0E-02	2.2E-04	3.69	1.532	6.360E-04
1000	0.1	0.001	3.29	1.533	5.964E-04
1050	0.1	0.001	2.87	1.530	5.445E-04
1100	0.3	0.004	2.48	1.528	4.918E-04
1150	0.7	0.008	2.14	1.529	4.426E-04
1200	1.5	0.016	1.83	1.529	3.935E-04
1250	2.8	0.030	1.56	1.527	3.478E-04
1300	4.9	0.053	1.31	1.527	3.034E-04
1350	7.9	0.086	1.10	1.526	2.631E-04
1400	12.0	0.131	0.92	1.525	2.260E-04
1450	17.1	0.187	0.77	1.524	1.937E-04
1500	23.0	0.251	0.64	1.522	1.651E-04

Spectrophotometer used HITACHI U-4100.

Date14/12/09