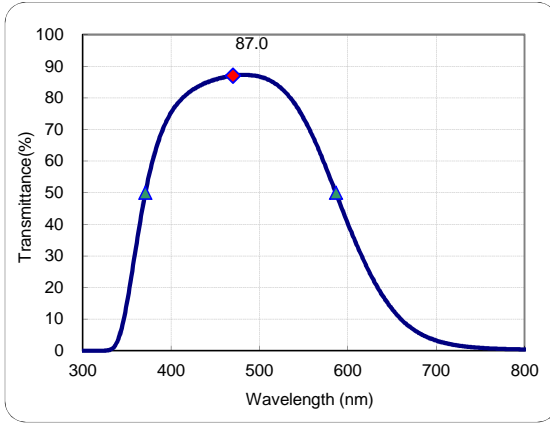


* You can not use Macro security setting yet. Please refer to "MACRO SETTING" to use this page.

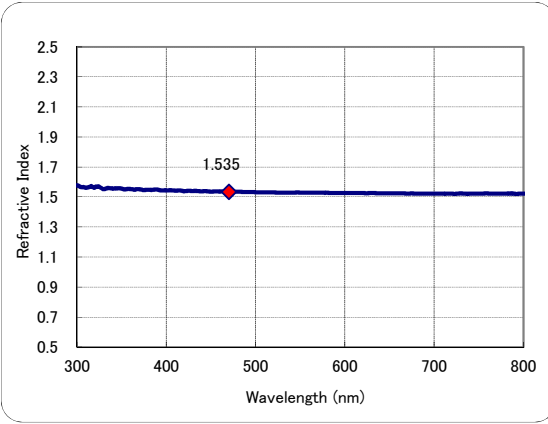
- All data are mean values of various melts.
- Change thickness and condition to check variations of data.→

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
470	87.0	0.951	0.06	1.535	1.873E-06
370.9	50.0	0.550	0.30	1.551	1.766E-05
586.5	50.0	0.546	0.30	1.526	2.824E-05
587.56	49.2	0.538	0.31	1.526	2.902E-05
546.07	75.4	0.824	0.12	1.530	8.415E-06

λ (nm)	T(%)	τ	OD	n _m	k _m
300	2.7E-02	3.0E-04	3.57	1.576	1.935E-04
310	3.7E-02	4.1E-04	3.43	1.561	1.925E-04
320	2.7E-02	3.0E-04	3.56	1.562	2.065E-04
330	0.2	0.003	2.61	1.551	1.551E-04
340	3.6	0.040	1.44	1.555	8.740E-05
350	15.2	0.167	0.82	1.556	4.984E-05
360	32.4	0.356	0.49	1.553	2.957E-05
370	48.7	0.536	0.31	1.552	1.838E-05
380	61.1	0.671	0.21	1.548	1.207E-05
390	69.6	0.765	0.16	1.550	8.326E-06
400	75.3	0.826	0.12	1.545	6.075E-06
410	79.1	0.867	0.10	1.542	4.667E-06
420	81.7	0.894	0.09	1.538	3.738E-06
430	83.5	0.914	0.08	1.540	3.068E-06
440	84.8	0.928	0.07	1.537	2.602E-06
450	85.8	0.938	0.07	1.535	2.280E-06
460	86.5	0.946	0.06	1.536	2.021E-06
470	87.0	0.951	0.06	1.535	1.873E-06
480	87.2	0.954	0.06	1.535	1.808E-06
490	87.2	0.953	0.06	1.534	1.888E-06
500	86.7	0.948	0.06	1.532	2.140E-06
510	85.8	0.937	0.07	1.532	2.642E-06
520	84.1	0.918	0.08	1.531	3.520E-06
530	81.6	0.891	0.09	1.529	4.871E-06
540	78.1	0.853	0.11	1.529	6.851E-06
550	73.5	0.803	0.13	1.530	9.625E-06
560	68.0	0.742	0.17	1.529	1.328E-05
570	61.6	0.673	0.21	1.528	1.796E-05
580	54.7	0.597	0.26	1.528	2.377E-05
590	47.4	0.518	0.32	1.527	3.087E-05
600	40.3	0.440	0.39	1.527	3.915E-05
610	33.5	0.366	0.47	1.527	4.874E-05
620	27.3	0.299	0.56	1.526	5.962E-05
630	21.8	0.239	0.66	1.526	7.185E-05
640	17.1	0.187	0.77	1.525	8.537E-05

λ (nm)	T(%)	τ	OD	n _m	k _m
650	13.2	0.145	0.88	1.525	1.000E-04
660	10.0	0.109	1.00	1.525	1.162E-04
670	7.6	0.083	1.12	1.523	1.329E-04
680	5.7	0.063	1.24	1.522	1.500E-04
690	4.3	0.047	1.37	1.522	1.679E-04
700	3.2	0.035	1.49	1.522	1.860E-04
710	2.5	0.027	1.61	1.521	2.042E-04
720	1.9	0.021	1.72	1.522	2.223E-04
730	1.5	0.016	1.83	1.524	2.398E-04
740	1.2	0.013	1.93	1.522	2.567E-04
750	0.9	0.010	2.02	1.523	2.729E-04
760	0.8	0.009	2.11	1.524	2.883E-04
770	0.7	0.007	2.18	1.522	3.026E-04
780	0.6	0.006	2.24	1.523	3.153E-04
790	0.5	0.005	2.30	1.522	3.273E-04
800	0.5	0.005	2.34	1.523	3.374E-04
850	0.2	0.003	2.63	1.518	4.042E-04
900	0.1	0.001	3.11	1.519	5.064E-04
950	0.6	0.006	2.25	1.521	3.856E-04
1000	1.4	0.015	1.87	1.519	3.350E-04
1100	4.9	0.054	1.31	1.517	2.557E-04
1200	11.8	0.129	0.93	1.515	1.959E-04
1300	22.6	0.246	0.65	1.514	1.452E-04
1400	35.7	0.388	0.45	1.512	1.054E-04
1500	48.7	0.529	0.31	1.512	7.591E-05
1600	59.8	0.650	0.22	1.510	5.491E-05
1700	68.4	0.743	0.16	1.510	4.012E-05
1800	74.7	0.811	0.13	1.509	2.992E-05
1900	79.1	0.859	0.10	1.506	2.304E-05
2000	82.2	0.891	0.09	1.502	1.829E-05

Spectrophotometer used HITACHI U-4100.

Date 15/12/09