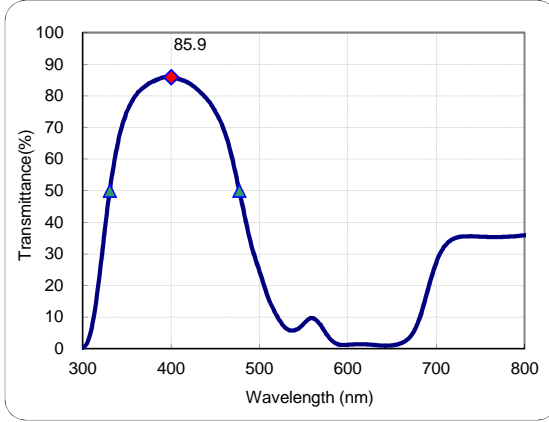


* You can not use Macro security setting yet. Please refer to "MACRO SETTING" to use this page.

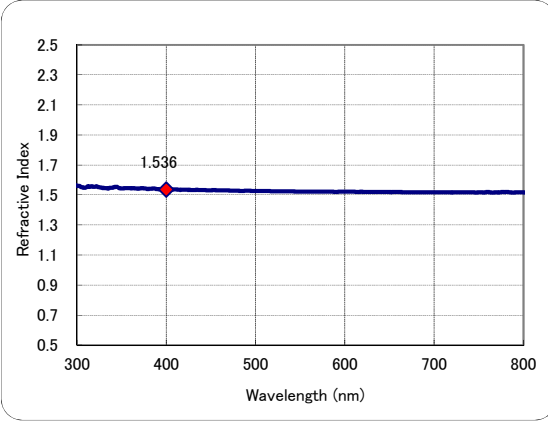
- All data are mean values of various melts.
- Change thickness and condition to check variations of data.→

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
400	85.9	0.939	0.07	1.536	1.987E-06
330.6	50.0	0.549	0.30	1.547	1.577E-05
477.1	50.0	0.547	0.30	1.530	2.294E-05
587.56	1.6	0.017	1.81	1.521	1.906E-04
546.07	6.8	0.075	1.17	1.523	1.128E-04

λ (nm)	T(%)	τ	OD	n_m	k_m
300	0.3	0.004	2.46	1.562	1.330E-04
310	6.5	0.071	1.19	1.551	6.526E-05
320	25.8	0.284	0.59	1.554	3.208E-05
330	48.8	0.537	0.31	1.547	1.635E-05
340	65.6	0.720	0.18	1.548	8.878E-06
350	75.0	0.822	0.13	1.543	5.461E-06
360	80.2	0.879	0.10	1.545	3.689E-06
370	82.9	0.909	0.08	1.543	2.823E-06
380	84.6	0.927	0.07	1.540	2.307E-06
390	85.8	0.939	0.07	1.538	1.957E-06
400	85.9	0.939	0.07	1.536	1.987E-06
410	85.3	0.933	0.07	1.538	2.258E-06
420	84.1	0.919	0.08	1.535	2.809E-06
430	82.0	0.896	0.09	1.533	3.761E-06
440	79.2	0.866	0.10	1.533	5.055E-06
450	75.0	0.820	0.12	1.532	7.119E-06
460	69.0	0.755	0.16	1.531	1.031E-05
470	59.1	0.646	0.23	1.530	1.637E-05
480	46.3	0.505	0.33	1.529	2.606E-05
490	33.7	0.368	0.47	1.528	3.897E-05
500	24.5	0.268	0.61	1.526	5.240E-05
510	16.1	0.176	0.79	1.526	7.060E-05
520	10.2	0.111	0.99	1.525	9.081E-05
530	6.5	0.071	1.19	1.525	1.115E-04
540	5.9	0.064	1.23	1.525	1.179E-04
550	7.9	0.086	1.10	1.523	1.072E-04
560	9.7	0.106	1.01	1.523	1.000E-04
570	7.1	0.077	1.15	1.522	1.161E-04
580	3.2	0.035	1.50	1.521	1.554E-04
590	1.3	0.015	1.87	1.521	1.985E-04
600	1.3	0.014	1.89	1.522	2.041E-04
610	1.4	0.016	1.84	1.522	2.017E-04
620	1.4	0.016	1.85	1.521	2.054E-04
630	1.2	0.013	1.92	1.521	2.167E-04
640	1.0	0.011	2.00	1.521	2.303E-04

λ (nm)	T(%)	τ	OD	n_m	k_m
650	1.1	0.012	1.97	1.520	2.299E-04
660	1.7	0.019	1.77	1.520	2.093E-04
670	3.6	0.040	1.44	1.518	1.721E-04
680	8.7	0.095	1.06	1.518	1.272E-04
690	18.0	0.196	0.74	1.518	8.937E-05
700	27.2	0.297	0.57	1.518	6.767E-05
710	32.6	0.356	0.49	1.518	5.843E-05
720	34.8	0.380	0.46	1.517	5.548E-05
730	35.5	0.387	0.45	1.517	5.510E-05
740	35.6	0.388	0.45	1.518	5.574E-05
750	35.5	0.387	0.45	1.518	5.671E-05
760	35.4	0.386	0.45	1.520	5.758E-05
770	35.4	0.385	0.45	1.518	5.842E-05
780	35.4	0.387	0.45	1.519	5.900E-05
790	35.6	0.388	0.45	1.516	5.954E-05
800	35.9	0.391	0.44	1.517	5.974E-05
850	38.6	0.421	0.41	1.519	5.854E-05
900	42.6	0.463	0.37	1.514	5.509E-05
950	46.9	0.511	0.33	1.514	5.079E-05
1000	50.8	0.553	0.29	1.514	4.709E-05
1100	51.7	0.563	0.29	1.512	5.035E-05
1200	41.3	0.449	0.38	1.511	7.646E-05
1300	37.7	0.410	0.42	1.508	9.228E-05
1400	41.5	0.451	0.38	1.507	8.881E-05
1500	38.2	0.415	0.42	1.506	1.048E-04
1600	43.8	0.476	0.36	1.506	9.455E-05
1700	44.7	0.485	0.35	1.504	9.778E-05
1800	46.5	0.505	0.33	1.502	9.786E-05
1900	56.0	0.607	0.25	1.502	7.542E-05
2000	64.9	0.703	0.19	1.500	5.603E-05

Spectrophotometer used HITACHI U-4100.

Date15/12/09