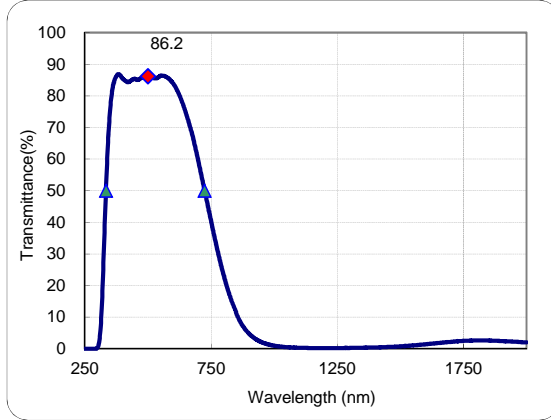


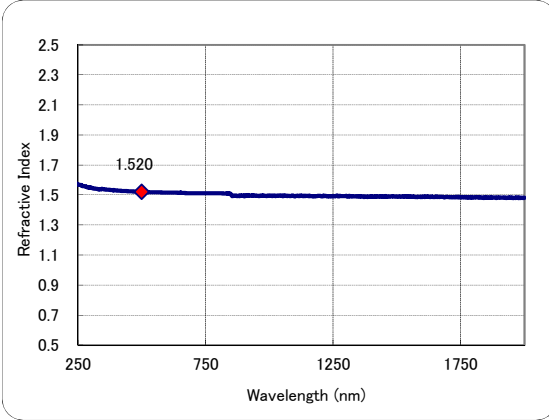
- All data are mean values of various melts.
- Change thickness and condition to check variations of data.→

Condition Thickness 3mm
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	86.2	0.939	0.06	1.520	8.308E-07
333.8	50.0	0.548	0.30	1.538	5.330E-06
724.8	50.0	0.544	0.30	1.512	1.171E-05
587.56	85.1	0.926	0.07	1.516	1.196E-06
546.07	86.2	0.938	0.06	1.518	9.231E-07

λ (nm)	T(%)	τ	OD	n _m	k _m
250	4.8E-03	5.3E-05	4.32	1.568	6.523E-05
260	4.8E-03	5.3E-05	4.32	1.567	6.784E-05
270	3.9E-03	4.3E-05	4.41	1.558	7.207E-05
280	3.9E-03	4.3E-05	4.41	1.557	7.474E-05
290	6.8E-03	7.5E-05	4.17	1.552	7.310E-05
300	0.3	0.003	2.53	1.549	4.565E-05
310	4.0	0.044	1.40	1.544	2.569E-05
320	18.4	0.202	0.74	1.541	1.359E-05
330	41.4	0.453	0.38	1.538	6.923E-06
340	62.1	0.680	0.21	1.538	3.477E-06
350	75.2	0.824	0.12	1.538	1.803E-06
360	82.4	0.901	0.08	1.535	9.968E-07
370	85.4	0.934	0.07	1.534	6.692E-07
380	86.7	0.948	0.06	1.534	5.363E-07
390	86.6	0.946	0.06	1.532	5.758E-07
400	85.5	0.934	0.07	1.531	7.267E-07
410	84.8	0.926	0.07	1.529	8.372E-07
420	84.3	0.920	0.07	1.527	9.280E-07
430	84.7	0.924	0.07	1.526	9.058E-07
440	85.2	0.930	0.07	1.526	8.527E-07
450	85.4	0.931	0.07	1.525	8.542E-07
460	85.1	0.928	0.07	1.524	9.170E-07
470	85.5	0.932	0.07	1.523	8.759E-07
480	85.9	0.936	0.07	1.522	8.364E-07
490	86.3	0.940	0.06	1.521	8.071E-07
500	86.2	0.939	0.06	1.520	8.308E-07
510	86.1	0.937	0.07	1.520	8.734E-07
520	85.7	0.933	0.07	1.519	9.531E-07
530	85.6	0.932	0.07	1.519	9.944E-07
540	85.8	0.935	0.07	1.519	9.696E-07
550	86.4	0.940	0.06	1.518	8.970E-07
560	86.4	0.940	0.06	1.518	9.118E-07
570	86.1	0.937	0.07	1.517	9.845E-07
580	85.6	0.932	0.07	1.517	1.086E-06
590	84.9	0.924	0.07	1.516	1.244E-06

λ (nm)	T(%)	τ	OD	n _m	k _m
600	83.9	0.913	0.08	1.516	1.447E-06
610	82.6	0.899	0.08	1.515	1.720E-06
620	81.0	0.882	0.09	1.516	2.068E-06
630	79.2	0.861	0.10	1.515	2.492E-06
640	77.1	0.839	0.11	1.515	2.988E-06
650	74.7	0.813	0.13	1.515	3.577E-06
660	72.1	0.785	0.14	1.514	4.246E-06
670	69.4	0.754	0.16	1.513	5.010E-06
680	66.3	0.722	0.18	1.512	5.885E-06
690	62.9	0.684	0.20	1.512	6.942E-06
700	59.3	0.645	0.23	1.512	8.142E-06
710	55.6	0.604	0.26	1.512	9.484E-06
720	51.8	0.564	0.29	1.512	1.095E-05
730	48.0	0.523	0.32	1.512	1.256E-05
740	44.3	0.482	0.35	1.511	1.433E-05
750	40.5	0.441	0.39	1.512	1.631E-05
800	23.3	0.253	0.63	1.511	2.913E-05
850	11.3	0.123	0.95	1.501	4.734E-05
900	4.8	0.052	1.31	1.493	7.036E-05
1000	1.0	0.011	2.01	1.495	1.205E-04
1100	0.3	0.004	2.49	1.491	1.650E-04
1200	0.2	0.003	2.60	1.495	1.883E-04
1300	0.3	0.003	2.56	1.493	2.005E-04
1400	0.4	0.005	2.36	1.489	1.986E-04
1500	0.8	0.008	2.11	1.488	1.901E-04
1600	1.4	0.015	1.85	1.487	1.771E-04
1700	2.2	0.024	1.66	1.486	1.688E-04
1800	2.6	0.028	1.58	1.484	1.700E-04
1900	2.5	0.027	1.61	1.483	1.826E-04
2000	2.0	0.022	1.69	1.481	2.025E-04

Spectrophotometer used HITACHI U-4100.

Date14/12/09