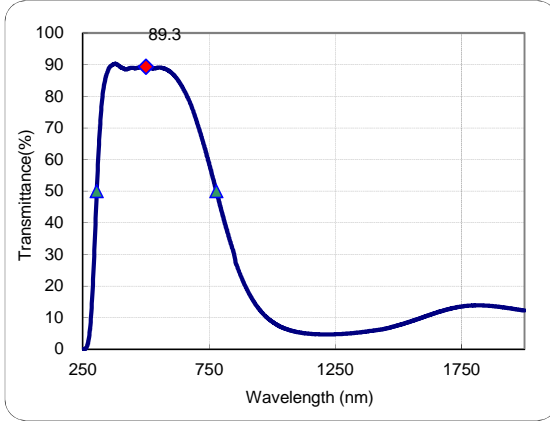


*You can not use Macro security setting yet. Please refer to "MACRO SETTING" to use this page.

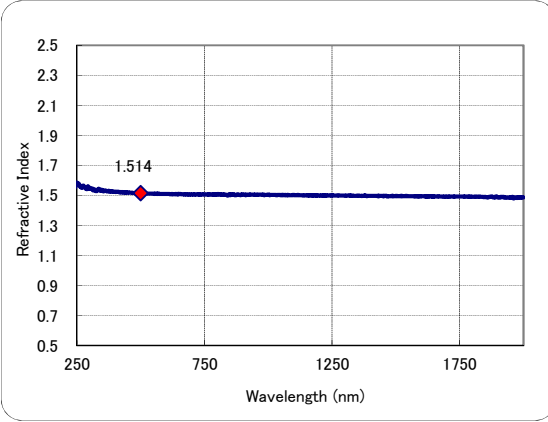
- All data are mean values of various melts.
- Change thickness and condition to check variations of data.→

Condition	Thickness	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	89.3	0.971	0.05	1.514	3.854E-07
305.5	50.0	0.549	0.30	1.543	4.868E-06
778.9	50.0	0.543	0.30	1.506	1.261E-05
587.56	88.2	0.958	0.05	1.510	6.671E-07
546.07	89.0	0.968	0.05	1.512	4.755E-07

λ (nm)	T(%)	τ	OD	n_m	k_m
250	1.1E-02	1.3E-04	3.95	1.584	5.959E-05
260	0.1	0.001	2.90	1.569	4.532E-05
270	1.7	0.019	1.77	1.551	2.851E-05
280	7.6	0.083	1.12	1.555	1.847E-05
290	20.4	0.224	0.69	1.548	1.151E-05
300	39.3	0.432	0.41	1.544	6.680E-06
310	58.3	0.640	0.23	1.546	3.672E-06
320	72.4	0.792	0.14	1.537	1.974E-06
330	81.3	0.889	0.09	1.536	1.028E-06
340	85.7	0.938	0.07	1.536	5.810E-07
350	88.1	0.962	0.06	1.532	3.567E-07
360	89.5	0.978	0.05	1.533	2.117E-07
370	90.0	0.983	0.05	1.529	1.681E-07
380	90.3	0.985	0.04	1.528	1.496E-07
390	89.9	0.981	0.05	1.527	2.013E-07
400	89.2	0.973	0.05	1.524	2.931E-07
410	88.8	0.969	0.05	1.525	3.449E-07
420	88.5	0.964	0.05	1.522	4.039E-07
430	88.7	0.966	0.05	1.519	3.924E-07
440	89.0	0.969	0.05	1.519	3.693E-07
450	89.0	0.969	0.05	1.519	3.742E-07
460	88.8	0.967	0.05	1.517	4.120E-07
470	89.0	0.969	0.05	1.516	3.951E-07
480	89.2	0.970	0.05	1.514	3.851E-07
490	89.4	0.972	0.05	1.514	3.713E-07
500	89.3	0.971	0.05	1.514	3.854E-07
510	89.2	0.970	0.05	1.513	4.162E-07
520	89.0	0.967	0.05	1.511	4.666E-07
530	88.8	0.965	0.05	1.512	5.016E-07
540	88.9	0.966	0.05	1.512	4.993E-07
550	89.1	0.968	0.05	1.512	4.706E-07
560	89.1	0.968	0.05	1.511	4.870E-07
570	88.9	0.965	0.05	1.511	5.326E-07
580	88.6	0.962	0.05	1.510	5.959E-07
590	88.1	0.957	0.05	1.510	6.875E-07

λ (nm)	T(%)	τ	OD	n_m	k_m
600	87.5	0.950	0.06	1.510	8.081E-07
610	86.8	0.943	0.06	1.510	9.578E-07
620	85.8	0.932	0.07	1.508	1.158E-06
630	84.7	0.920	0.07	1.508	1.394E-06
640	83.5	0.907	0.08	1.508	1.660E-06
650	82.0	0.891	0.09	1.508	1.988E-06
660	80.5	0.874	0.09	1.508	2.356E-06
670	78.8	0.856	0.10	1.506	2.765E-06
680	76.9	0.835	0.11	1.506	3.255E-06
690	74.7	0.811	0.13	1.506	3.833E-06
700	72.3	0.785	0.14	1.505	4.498E-06
710	69.8	0.758	0.16	1.506	5.220E-06
720	67.2	0.729	0.17	1.506	6.026E-06
730	64.5	0.700	0.19	1.506	6.903E-06
740	61.7	0.670	0.21	1.507	7.866E-06
750	58.8	0.638	0.23	1.507	8.934E-06
800	43.6	0.473	0.36	1.506	1.587E-05
850	29.8	0.324	0.53	1.501	2.542E-05
900	18.9	0.205	0.72	1.506	3.777E-05
1000	8.7	0.095	1.06	1.505	6.252E-05
1100	5.4	0.059	1.27	1.503	8.268E-05
1200	4.7	0.051	1.33	1.500	9.476E-05
1300	5.0	0.054	1.30	1.498	1.008E-04
1400	5.9	0.064	1.23	1.497	1.023E-04
1500	7.6	0.082	1.12	1.496	9.947E-05
1600	10.2	0.110	0.99	1.495	9.360E-05
1700	12.7	0.137	0.90	1.492	8.949E-05
1800	13.8	0.150	0.86	1.490	9.064E-05
1900	13.4	0.145	0.87	1.486	9.737E-05
2000	12.2	0.132	0.91	1.486	1.073E-04

Spectrophotometer used HITACHI U-4100.

Date14/12/09