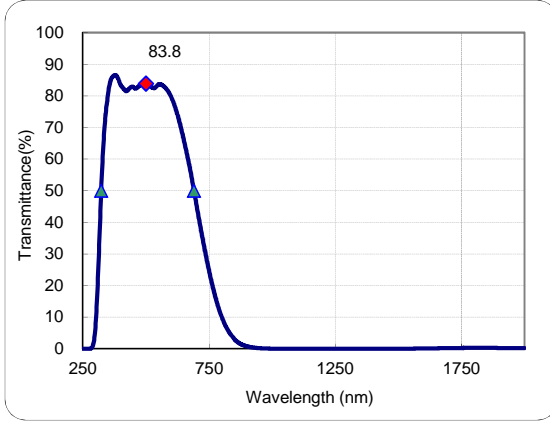


\* You can not use Macro security setting yet. Please refer to "MACRO SETTING" to use this page.

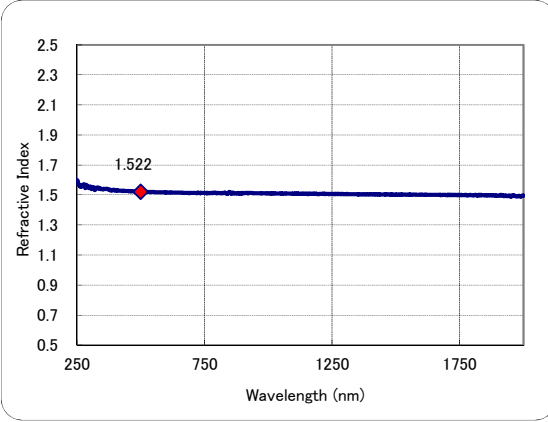
- All data are mean values of various melts.
- Change thickness and condition to check variations of data.→

Condition Thickness 3mm  
 Current data are approximate values.

### ● Transmittance



### ● Refractive index



<Meaning of sign>

- $\lambda$  (nm) :Wavelength
- T (%) :External Transmittance
- $\tau$  :Internal Transmittance
- OD :Optical Density
- $n_m$  :Refractive Index
- $k_m$  :Extinction Coefficient

- ◆ < Set wavelength >
- ▲ <Transmittance50.0>
- ▲ <Transmittance50.0>
- d-line(587.56nm)
- e-line(546.07nm)

$\lambda$ (nm)	T(%)	$\tau$	OD	$n_m$	$k_m$
500	83.8	0.914	0.08	1.522	1.196E-06
323.1	50.0	0.549	0.30	1.545	5.142E-06
690.6	50.0	0.544	0.30	1.513	1.115E-05
587.56	81.5	0.887	0.09	1.518	1.862E-06
546.07	83.4	0.908	0.08	1.520	1.392E-06

$\lambda$ (nm)	T(%)	$\tau$	OD	$n_m$	$k_m$
250	3.7E-05	4.2E-07	6.43	1.600	9.742E-05
260	4.9E-05	5.4E-07	6.31	1.564	9.954E-05
270	1.1E-03	1.2E-05	4.97	1.561	8.126E-05
280	0.1	0.001	3.24	1.560	5.472E-05
290	1.0	0.011	2.02	1.559	3.498E-05
300	6.8	0.074	1.17	1.556	2.067E-05
310	22.3	0.245	0.65	1.548	1.157E-05
320	43.6	0.477	0.36	1.532	6.279E-06
330	62.1	0.682	0.21	1.547	3.351E-06
340	73.7	0.808	0.13	1.541	1.928E-06
350	80.5	0.882	0.09	1.539	1.169E-06
360	84.7	0.927	0.07	1.539	7.228E-07
370	86.2	0.943	0.06	1.538	5.714E-07
380	86.5	0.945	0.06	1.532	5.701E-07
390	85.4	0.933	0.07	1.532	7.130E-07
400	83.5	0.911	0.08	1.529	9.857E-07
410	82.4	0.901	0.08	1.530	1.140E-06
420	81.5	0.890	0.09	1.529	1.299E-06
430	82.0	0.894	0.09	1.526	1.275E-06
440	82.7	0.903	0.08	1.527	1.193E-06
450	82.9	0.904	0.08	1.526	1.207E-06
460	82.3	0.898	0.08	1.525	1.311E-06
470	82.9	0.905	0.08	1.525	1.250E-06
480	83.5	0.910	0.08	1.524	1.197E-06
490	84.0	0.915	0.08	1.523	1.148E-06
500	83.8	0.914	0.08	1.522	1.196E-06
510	83.5	0.910	0.08	1.521	1.272E-06
520	82.8	0.902	0.08	1.520	1.417E-06
530	82.5	0.899	0.08	1.520	1.500E-06
540	82.8	0.902	0.08	1.519	1.477E-06
550	83.6	0.910	0.08	1.520	1.370E-06
560	83.6	0.910	0.08	1.519	1.400E-06
570	83.1	0.905	0.08	1.518	1.515E-06
580	82.3	0.896	0.08	1.518	1.684E-06
590	81.2	0.884	0.09	1.518	1.931E-06

$\lambda$ (nm)	T(%)	$\tau$	OD	$n_m$	$k_m$
600	79.7	0.867	0.10	1.517	2.266E-06
610	77.8	0.846	0.11	1.517	2.699E-06
620	75.3	0.820	0.12	1.517	3.262E-06
630	72.6	0.791	0.14	1.517	3.925E-06
640	69.5	0.756	0.16	1.516	4.739E-06
650	66.2	0.720	0.18	1.516	5.659E-06
660	62.5	0.681	0.20	1.515	6.736E-06
670	58.8	0.640	0.23	1.514	7.937E-06
680	54.7	0.596	0.26	1.513	9.343E-06
690	50.3	0.547	0.30	1.513	1.104E-05
700	45.7	0.498	0.34	1.514	1.296E-05
710	41.2	0.448	0.39	1.514	1.510E-05
720	36.8	0.401	0.43	1.513	1.746E-05
730	32.6	0.355	0.49	1.513	2.004E-05
740	28.6	0.312	0.54	1.514	2.289E-05
750	24.8	0.270	0.61	1.514	2.606E-05
800	10.1	0.110	1.00	1.512	4.684E-05
850	3.1	0.034	1.51	1.519	7.620E-05
900	0.8	0.009	2.11	1.512	1.137E-04
1000	0.1	0.001	3.24	1.511	1.954E-04
1100	7.0E-03	7.6E-05	4.16	1.509	2.767E-04
1200	4.2E-03	4.5E-05	4.38	1.507	3.183E-04
1300	6.4E-03	7.0E-05	4.19	1.505	3.300E-04
1400	1.3E-02	1.4E-04	3.89	1.504	3.296E-04
1500	3.6E-02	3.9E-04	3.45	1.502	3.126E-04
1600	0.11	0.001	2.98	1.502	2.874E-04
1700	0.22	0.002	2.65	1.499	2.717E-04
1800	0.30	0.003	2.52	1.499	2.737E-04
1900	0.27	0.003	2.57	1.498	2.941E-04
2000	0.20	0.002	2.71	1.495	3.263E-04

Spectrophotometer used HITACHI U-4100.

Date14/12/09