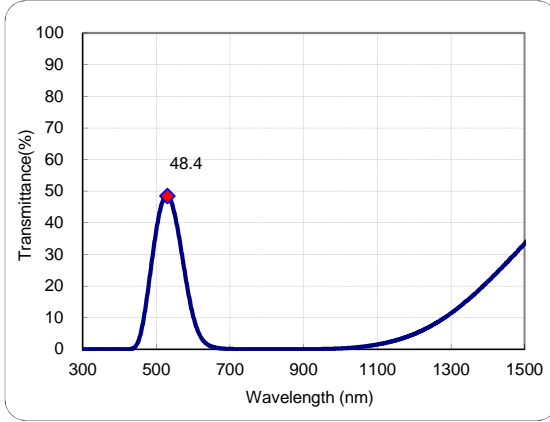


*You can not use Macro security setting yet. Please refer to "MACRO SETTING" to use this page.

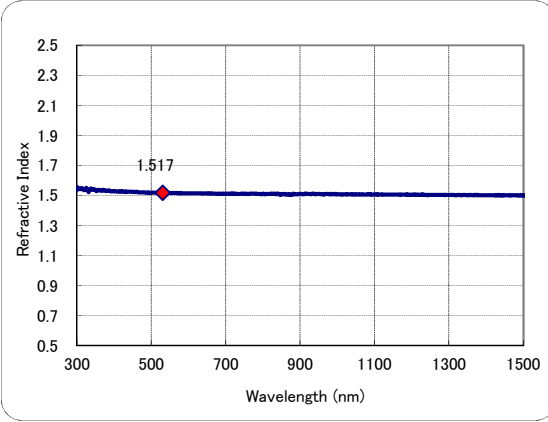
- All data are mean values of various melts.
- Change thickness and condition to check variations of data.→

Condition	Thickness	2.5mm
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 >

λ (nm)	T(%)	τ	OD	n_m	k_m
530	48.4	0.528	0.31	1.517	1.079E-05
-	-	-	-	-	-
587.56	17.2	0.187	0.77	1.515	3.138E-05
546.07	44.4	0.483	0.35	1.517	1.264E-05

d-line(587.56nm)
e-line(546.07nm)

λ (nm)	T(%)	τ	OD	n_m	k_m
300	5.8E-07	6.4E-09	8.24	1.555	1.802E-04
310	6.2E-07	6.9E-09	8.21	1.545	1.855E-04
320	2.4E-07	2.6E-09	8.62	1.536	2.014E-04
330	2.6E-07	2.8E-09	8.58	1.524	2.067E-04
340	6.4E-07	7.0E-09	8.20	1.542	2.032E-04
350	6.7E-07	7.3E-09	8.17	1.536	2.087E-04
360	6.7E-07	7.3E-09	8.17	1.536	2.147E-04
370	6.7E-07	7.3E-09	8.18	1.537	2.207E-04
380	7.0E-07	7.6E-09	8.16	1.531	2.261E-04
390	2.5E-07	2.8E-09	8.60	1.528	2.446E-04
400	3.1E-06	3.4E-08	7.50	1.529	2.188E-04
410	2.2E-04	2.4E-06	5.66	1.525	1.688E-04
420	6.7E-03	7.3E-05	4.17	1.526	1.273E-04
430	0.1	0.001	3.16	1.524	9.829E-05
440	0.5	0.006	2.28	1.524	7.235E-05
450	2.2	0.024	1.65	1.524	5.316E-05
460	6.4	0.069	1.20	1.524	3.905E-05
470	13.0	0.142	0.89	1.520	2.922E-05
480	21.2	0.232	0.67	1.520	2.235E-05
490	29.9	0.326	0.52	1.519	1.748E-05
500	37.7	0.411	0.42	1.519	1.414E-05
510	44.0	0.480	0.36	1.518	1.192E-05
520	47.6	0.518	0.32	1.517	1.088E-05
530	48.4	0.528	0.31	1.517	1.079E-05
540	46.7	0.509	0.33	1.516	1.161E-05
550	42.5	0.463	0.37	1.516	1.349E-05
560	36.5	0.397	0.44	1.516	1.646E-05
570	29.3	0.319	0.53	1.514	2.070E-05
580	22.2	0.242	0.65	1.515	2.621E-05
590	15.7	0.171	0.80	1.514	3.319E-05
600	10.4	0.113	0.98	1.514	4.162E-05
610	6.5	0.071	1.18	1.514	5.131E-05
620	3.9	0.043	1.40	1.513	6.211E-05
630	2.3	0.025	1.63	1.513	7.365E-05
640	1.4	0.015	1.86	1.512	8.546E-05

λ (nm)	T(%)	τ	OD	n_m	k_m
650	0.8	0.009	2.08	1.513	9.738E-05
660	0.5	0.006	2.29	1.513	1.090E-04
670	0.3	0.003	2.49	1.512	1.207E-04
680	0.2	0.002	2.69	1.511	1.321E-04
690	0.1	0.001	2.87	1.511	1.432E-04
700	0.1	0.001	3.02	1.511	1.531E-04
710	0.1	0.001	3.18	1.510	1.638E-04
720	4.8E-02	0.001	3.32	1.511	1.733E-04
730	3.5E-02	3.8E-04	3.45	1.509	1.828E-04
740	2.8E-02	3.0E-04	3.56	1.510	1.910E-04
750	2.3E-02	2.5E-04	3.65	1.511	1.984E-04
760	1.8E-02	1.9E-04	3.75	1.509	2.070E-04
770	1.5E-02	1.7E-04	3.81	1.511	2.130E-04
780	1.2E-02	1.3E-04	3.92	1.511	2.220E-04
790	1.1E-02	1.2E-04	3.97	1.509	2.280E-04
800	7.3E-03	7.9E-05	4.14	1.510	2.406E-04
850	1.0E-02	1.1E-04	3.99	1.510	2.464E-04
900	2.1E-02	2.3E-04	3.67	1.510	2.398E-04
950	0.1	0.001	3.14	1.509	2.158E-04
1000	0.2	0.003	2.60	1.507	1.882E-04
1050	0.7	0.007	2.17	1.507	1.643E-04
1100	1.5	0.016	1.83	1.507	1.444E-04
1150	2.8	0.030	1.55	1.505	1.280E-04
1200	4.8	0.052	1.32	1.504	1.128E-04
1250	7.6	0.083	1.12	1.503	9.924E-05
1300	11.4	0.123	0.94	1.503	8.656E-05
1350	16.0	0.173	0.80	1.501	7.527E-05
1400	21.4	0.233	0.67	1.501	6.498E-05
1450	27.2	0.296	0.67	1.501	6.498E-05
1500	33.3	0.361	0.67	1.501	6.498E-05

Spectrophotometer used HITACHI U-4100.

Date20/01/09