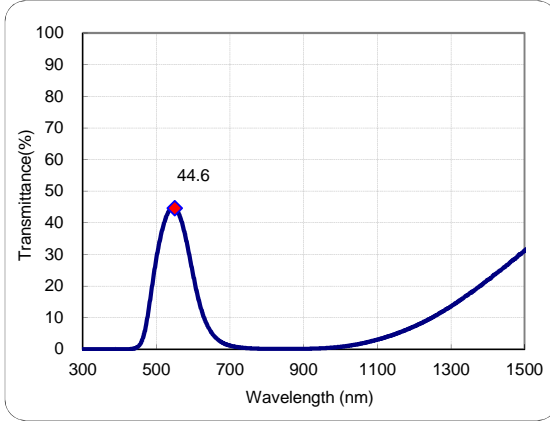


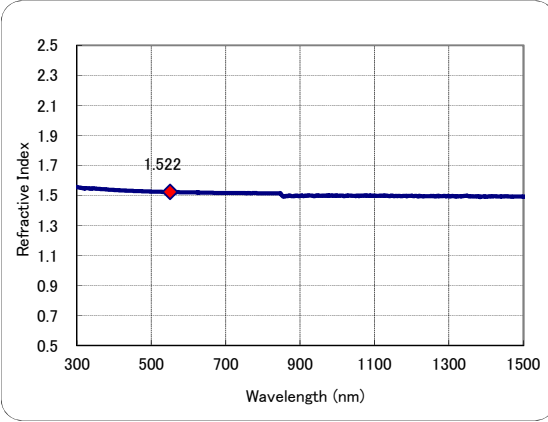
- All data are mean values of various melts.
- Change thickness and condition to check variations of data.→

Condition	Thickness	2.5mm
Current data are approximate values.		

### ● Transmittance



### ● Refractive index



### <Meaning of sign>

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

◆ < Set wavelength >

$\lambda$ (nm)	T(%)	$\tau$	OD	$n_m$	$k_m$
550	44.6	0.487	0.35	1.522	1.259E-05
-	-	-	-	-	-
-	-	-	-	-	-
d-line(587.56nm)	30.8	0.336	0.51	1.521	2.039E-05
e-line(546.07nm)	44.9	0.490	0.35	1.522	1.240E-05

$\lambda$ (nm)	T(%)	$\tau$	OD	$n_m$	$k_m$
300	5.8E-22	6.4E-24	23.23	1.555	5.099E-04
310	5.8E-22	6.4E-24	23.24	1.551	5.270E-04
320	4.4E-21	4.8E-23	22.36	1.547	5.235E-04
330	5.8E-19	6.3E-21	20.24	1.547	4.885E-04
340	6.7E-16	7.3E-18	17.18	1.546	4.270E-04
350	2.9E-13	3.2E-15	14.53	1.545	3.718E-04
360	6.3E-11	6.9E-13	12.20	1.543	3.209E-04
370	8.4E-09	9.3E-11	10.07	1.542	2.721E-04
380	6.2E-07	6.8E-09	8.21	1.539	2.274E-04
390	2.6E-05	2.9E-07	6.58	1.538	1.870E-04
400	5.0E-04	5.5E-06	5.30	1.536	1.542E-04
410	4.5E-03	4.9E-05	4.35	1.535	1.295E-04
420	2.1E-02	2.3E-04	3.67	1.533	1.117E-04
430	0.1	0.001	3.14	1.532	9.758E-05
440	0.2	0.003	2.62	1.531	8.339E-05
450	0.8	0.009	2.10	1.530	6.811E-05
460	2.5	0.027	1.60	1.529	5.274E-05
470	6.6	0.072	1.18	1.529	3.934E-05
480	13.4	0.146	0.87	1.527	2.938E-05
490	21.3	0.233	0.67	1.526	2.271E-05
500	28.7	0.314	0.54	1.525	1.845E-05
510	34.8	0.380	0.46	1.525	1.569E-05
520	39.5	0.431	0.40	1.524	1.392E-05
530	42.8	0.467	0.37	1.523	1.284E-05
540	44.5	0.486	0.35	1.523	1.241E-05
550	44.6	0.487	0.35	1.522	1.259E-05
560	43.1	0.470	0.37	1.522	1.347E-05
570	39.8	0.434	0.40	1.521	1.514E-05
580	35.0	0.382	0.46	1.521	1.777E-05
590	29.3	0.319	0.53	1.520	2.143E-05
600	23.4	0.255	0.63	1.520	2.610E-05
610	17.9	0.196	0.75	1.520	3.169E-05
620	13.3	0.145	0.88	1.519	3.808E-05
630	9.8	0.106	1.01	1.519	4.493E-05
640	7.1	0.078	1.15	1.518	5.208E-05

$\lambda$ (nm)	T(%)	$\tau$	OD	$n_m$	$k_m$
650	5.2	0.057	1.28	1.518	5.939E-05
660	3.8	0.041	1.42	1.518	6.704E-05
670	2.7	0.030	1.56	1.516	7.482E-05
680	2.0	0.022	1.70	1.516	8.265E-05
690	1.5	0.016	1.82	1.516	9.032E-05
700	1.1	0.012	1.95	1.516	9.800E-05
710	0.9	0.009	2.06	1.516	1.055E-04
720	0.7	0.007	2.17	1.515	1.128E-04
730	0.5	0.006	2.28	1.515	1.202E-04
740	0.4	0.004	2.40	1.515	1.279E-04
750	0.3	0.003	2.50	1.515	1.355E-04
760	0.3	0.003	2.60	1.515	1.428E-04
770	0.2	0.002	2.70	1.515	1.501E-04
780	0.2	0.002	2.79	1.515	1.571E-04
790	0.1	0.001	2.86	1.515	1.636E-04
800	0.1	0.001	2.93	1.514	1.697E-04
850	8.4E-02	0.001	3.08	1.503	1.894E-04
900	0.1	0.001	2.89	1.496	1.886E-04
950	0.3	0.003	2.52	1.499	1.729E-04
1000	0.8	0.008	2.12	1.497	1.526E-04
1050	1.6	0.018	1.79	1.496	1.347E-04
1100	3.0	0.033	1.52	1.498	1.199E-04
1150	4.8	0.052	1.32	1.496	1.079E-04
1200	7.2	0.078	1.14	1.498	9.730E-05
1250	10.1	0.109	1.00	1.495	8.808E-05
1300	13.5	0.147	0.87	1.493	7.947E-05
1350	17.6	0.191	0.75	1.496	7.114E-05
1400	21.9	0.237	0.66	1.491	6.409E-05
1450	26.4	0.286	0.66	1.491	6.409E-05
1500	31.1	0.337	0.66	1.491	6.409E-05

Spectrophotometer used HITACHI U-4100.

Date20/01/09