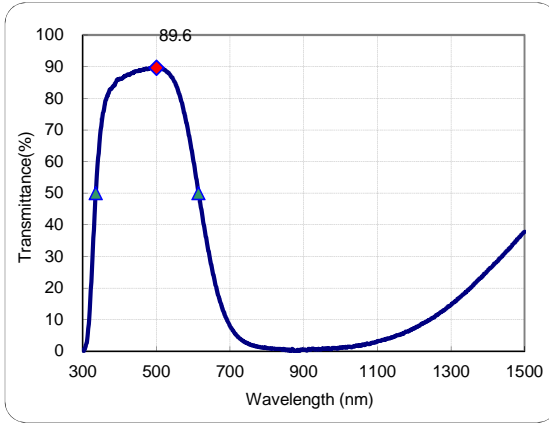


\*You can not use Macro security setting yet. Please refer to "MACRO SETTING" to use this page.

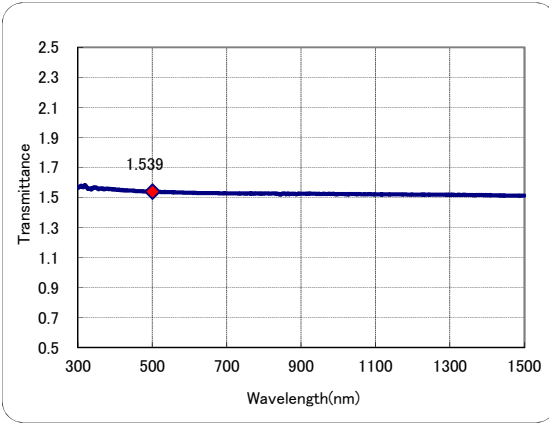
- All data are mean values of various melts.
- Change thickness and condition to check variations of data.→

Condition	Thickness	1mm
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%>
- ▲ <Transmittance50%>
- d-line(587.56nm)
- e-line(546.07nm)

$\lambda$ (nm)	T(%)	$\tau$	OD	$n_m$	$k_m$
500	89.6	0.981	0.05	1.539	7.776E-07
335.2	50.0	0.550	0.30	1.553	1.594E-05
614.6	50.0	0.547	0.30	1.530	2.953E-05
587.56	68.8	0.752	0.16	1.531	1.334E-05
546.07	85.9	0.939	0.07	1.534	2.743E-06

$\lambda$ (nm)	T(%)	$\tau$	OD	$n_m$	$k_m$
300	0.4	4.3E-03	2.41	1.562	1.299E-04
310	2.4	0.027	1.61	1.576	8.898E-05
320	15.4	0.171	0.81	1.580	4.499E-05
330	38.4	0.423	0.42	1.559	2.257E-05
340	58.7	0.648	0.23	1.563	1.175E-05
350	71.1	0.784	0.15	1.563	6.775E-06
360	78.1	0.859	0.11	1.558	4.349E-06
370	81.6	0.898	0.09	1.556	3.178E-06
380	83.4	0.918	0.08	1.559	2.579E-06
390	85.2	0.936	0.07	1.554	2.053E-06
400	86.1	0.946	0.06	1.552	1.775E-06
410	86.6	0.951	0.06	1.551	1.623E-06
420	87.4	0.959	0.06	1.548	1.400E-06
430	87.8	0.963	0.06	1.547	1.287E-06
440	88.4	0.969	0.05	1.545	1.098E-06
450	88.6	0.971	0.05	1.544	1.043E-06
460	88.9	0.973	0.05	1.542	9.857E-07
470	89.3	0.978	0.05	1.541	8.408E-07
480	89.4	0.979	0.05	1.540	8.126E-07
490	89.6	0.981	0.05	1.540	7.539E-07
500	89.6	0.981	0.05	1.539	7.776E-07
510	89.5	0.979	0.05	1.538	8.524E-07
520	89.1	0.975	0.05	1.537	1.057E-06
530	88.2	0.965	0.05	1.536	1.513E-06
540	86.9	0.950	0.06	1.535	2.203E-06
550	85.0	0.930	0.07	1.534	3.194E-06
560	82.0	0.896	0.09	1.534	4.897E-06
570	78.1	0.854	0.11	1.533	7.160E-06
580	73.1	0.799	0.14	1.532	1.037E-05
590	67.2	0.735	0.17	1.532	1.447E-05
600	60.6	0.662	0.22	1.531	1.969E-05
610	53.4	0.584	0.27	1.530	2.613E-05
620	46.1	0.504	0.34	1.529	3.378E-05
630	39.1	0.427	0.41	1.529	4.267E-05
640	32.5	0.356	0.49	1.529	5.264E-05

$\lambda$ (nm)	T(%)	$\tau$	OD	$n_m$	$k_m$
650	26.6	0.291	0.57	1.528	6.383E-05
660	21.3	0.233	0.67	1.528	7.652E-05
670	16.9	0.184	0.77	1.528	9.015E-05
680	13.2	0.145	0.88	1.527	1.046E-04
690	10.3	0.113	0.99	1.527	1.199E-04
700	8.0	0.087	1.10	1.527	1.360E-04
710	6.1	0.067	1.21	1.527	1.527E-04
720	4.7	0.052	1.32	1.527	1.696E-04
730	3.7	0.040	1.43	1.526	1.865E-04
740	2.9	0.032	1.54	1.526	2.032E-04
750	2.3	0.026	1.63	1.525	2.190E-04
760	1.9	0.020	1.73	1.526	2.354E-04
770	1.6	0.017	1.81	1.526	2.498E-04
780	1.3	0.014	1.88	1.527	2.628E-04
790	1.1	0.012	1.95	1.525	2.771E-04
800	1.0	0.011	1.99	1.526	2.864E-04
850	0.4	0.005	2.38	1.526	3.646E-04
900	0.5	0.006	2.27	1.525	3.684E-04
950	0.7	0.008	2.13	1.523	3.650E-04
1000	1.2	0.013	1.91	1.522	3.432E-04
1050	1.7	0.019	1.76	1.521	3.311E-04
1100	3.0	0.033	1.52	1.520	2.986E-04
1150	4.8	0.052	1.32	1.520	2.697E-04
1200	7.2	0.079	1.14	1.519	2.430E-04
1250	10.5	0.115	0.98	1.519	2.155E-04
1300	14.7	0.160	0.83	1.517	1.896E-04
1350	19.6	0.214	0.71	1.516	1.656E-04
1400	25.5	0.278	0.59	1.514	1.428E-04
1450	31.5	0.343	0.50	1.512	1.236E-04
1500	37.8	0.411	0.42	1.511	1.062E-04

Spectrophotometer used HITACHI U-4100.

Date14/12/09