

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

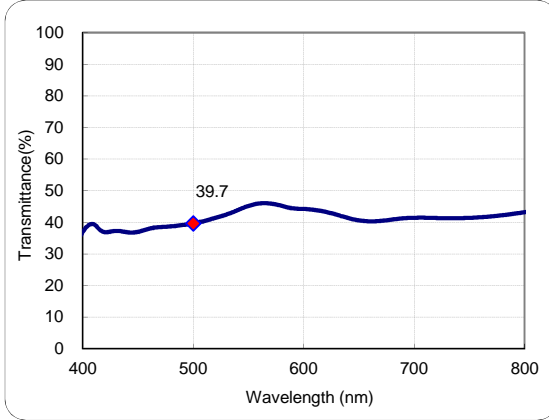
- All data are mean values of various melts.
- Change thickness and condition to check variations of data.→

Condition

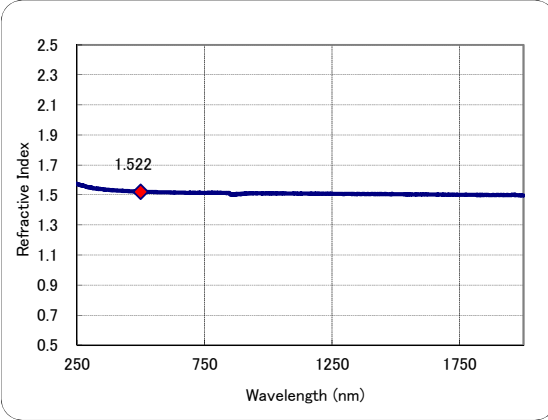
Thickness 2.2mm

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 >

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

λ (nm)	T(%)	τ	OD	n_m	k_m
500	39.7	0.433	0.40	1.522	1.514E-05
-	-	-	-	-	-
587.56	44.6	0.486	0.35	1.518	1.534E-05
546.07	44.7	0.487	0.35	1.519	1.420E-05

λ (nm)	T(%)	τ	OD	n_m	k_m
300	1.8E-02	2.0E-04	3.75	1.549	9.266E-05
310	1.5E-02	1.6E-04	3.84	1.548	9.796E-05
320	1.1E-02	1.2E-04	3.95	1.543	1.043E-04
330	1.7E-02	1.9E-04	3.76	1.542	1.023E-04
340	0.2	2.2E-03	2.71	1.541	7.550E-05
350	2.0	0.022	1.71	1.539	4.855E-05
360	7.2	0.079	1.14	1.534	3.300E-05
370	14.7	0.161	0.83	1.535	2.447E-05
380	18.2	0.199	0.74	1.533	2.217E-05
390	28.7	0.314	0.54	1.533	1.634E-05
400	36.9	0.404	0.43	1.531	1.312E-05
410	39.4	0.430	0.40	1.529	1.250E-05
420	36.9	0.403	0.43	1.528	1.380E-05
430	37.3	0.408	0.43	1.528	1.396E-05
440	36.9	0.403	0.43	1.526	1.448E-05
450	37.0	0.404	0.43	1.526	1.475E-05
460	38.0	0.415	0.42	1.524	1.464E-05
470	38.5	0.421	0.41	1.525	1.473E-05
480	38.7	0.423	0.41	1.523	1.494E-05
490	39.1	0.427	0.41	1.523	1.507E-05
500	39.7	0.433	0.40	1.522	1.514E-05
510	40.4	0.441	0.39	1.521	1.511E-05
520	41.4	0.451	0.38	1.520	1.496E-05
530	42.5	0.463	0.37	1.520	1.476E-05
540	43.8	0.478	0.36	1.520	1.442E-05
550	45.2	0.493	0.34	1.519	1.408E-05
560	46.0	0.501	0.34	1.519	1.400E-05
570	45.9	0.501	0.34	1.518	1.426E-05
580	45.2	0.493	0.34	1.518	1.484E-05
590	44.4	0.484	0.35	1.518	1.547E-05
600	44.2	0.482	0.35	1.517	1.583E-05
610	43.9	0.479	0.36	1.517	1.625E-05
620	43.3	0.472	0.36	1.517	1.684E-05
630	42.4	0.462	0.37	1.517	1.760E-05
640	41.4	0.451	0.38	1.516	1.845E-05

λ (nm)	T(%)	τ	OD	n_m	k_m
650	40.6	0.443	0.39	1.517	1.916E-05
660	40.3	0.439	0.39	1.517	1.964E-05
670	40.5	0.441	0.39	1.515	1.985E-05
680	40.9	0.445	0.39	1.515	1.991E-05
690	41.3	0.450	0.38	1.515	1.995E-05
700	41.5	0.451	0.38	1.514	2.013E-05
710	41.5	0.451	0.38	1.515	2.042E-05
720	41.4	0.450	0.38	1.515	2.077E-05
730	41.3	0.450	0.38	1.515	2.108E-05
740	41.3	0.450	0.38	1.514	2.137E-05
750	41.4	0.451	0.38	1.514	2.160E-05
760	41.6	0.453	0.38	1.514	2.175E-05
770	41.9	0.456	0.38	1.514	2.186E-05
780	42.3	0.460	0.37	1.515	2.189E-05
790	42.7	0.465	0.37	1.515	2.187E-05
800	43.2	0.471	0.36	1.515	2.182E-05
850	46.7	0.508	0.33	1.507	2.085E-05
900	51.3	0.558	0.29	1.510	1.902E-05
950	55.9	0.609	0.25	1.512	1.707E-05
1000	60.6	0.659	0.22	1.511	1.510E-05
1050	64.8	0.705	0.19	1.510	1.330E-05
1100	68.5	0.745	0.16	1.511	1.170E-05
1150	71.7	0.779	0.14	1.510	1.039E-05
1200	74.3	0.807	0.13	1.508	9.285E-06
1250	76.6	0.832	0.12	1.508	8.318E-06
1300	78.7	0.854	0.10	1.508	7.405E-06
1350	80.4	0.873	0.09	1.507	6.615E-06
1400	81.6	0.885	0.09	1.505	6.186E-06
1450	82.8	0.898	0.08	1.505	5.622E-06
1500	83.8	0.909	0.08	1.506	5.153E-06

Spectrophotometer used HITACHI U-4100.

Date22/03/13