

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

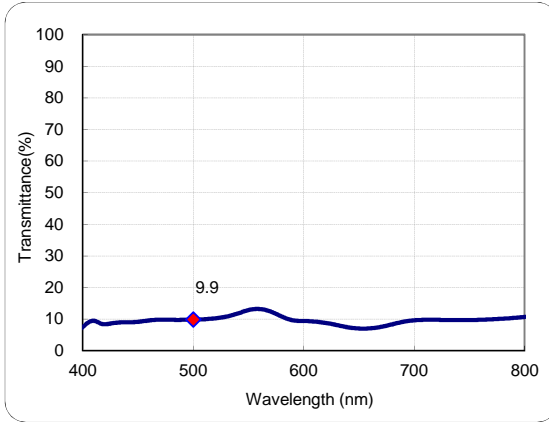
- All data are mean values of various melts.
- Change thickness and condition to check variations of data.→

Condition

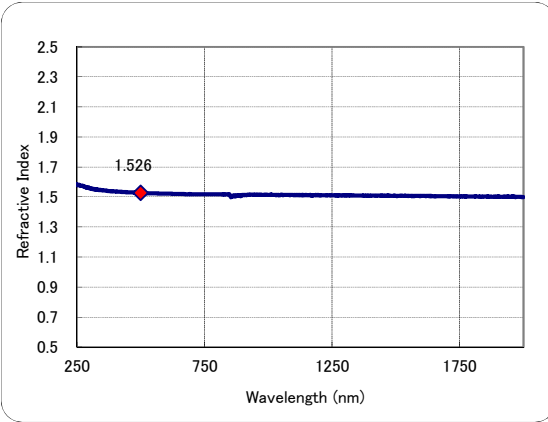
Thickness 2.2mm

Current data are approximate values.

### ● Transmittance



### ● Refractive index



<Meaning of sign>

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

◆ < Set wavelength >

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

$\lambda$ (nm)	T(%)	$\tau$	OD	$n_m$	$k_m$
500	9.9	0.108	1.01	1.526	4.027E-05
-	-	-	-	-	-
587.56	9.9	0.108	1.01	1.523	4.739E-05
546.07	12.4	0.136	0.90	1.524	3.941E-05

$\lambda$ (nm)	T(%)	$\tau$	OD	$n_m$	$k_m$
300	9.8E-03	1.1E-04	4.01	1.557	9.907E-05
310	1.6E-02	1.7E-04	3.81	1.553	9.719E-05
320	1.1E-02	1.2E-04	3.96	1.548	1.044E-04
330	9.3E-03	1.0E-04	4.03	1.548	1.096E-04
340	2.3E-02	2.5E-04	3.64	1.547	1.018E-04
350	3.5E-02	0.000	3.46	1.545	9.972E-05
360	0.2	0.003	2.63	1.545	7.764E-05
370	0.9	0.010	2.02	1.541	6.116E-05
380	1.8	0.020	1.74	1.539	5.390E-05
390	4.3	0.047	1.37	1.539	4.316E-05
400	7.5	0.083	1.12	1.538	3.606E-05
410	9.5	0.104	1.02	1.535	3.357E-05
420	8.4	0.092	1.08	1.535	3.626E-05
430	8.9	0.097	1.05	1.533	3.626E-05
440	9.0	0.099	1.05	1.532	3.686E-05
450	9.2	0.100	1.04	1.531	3.742E-05
460	9.6	0.105	1.02	1.530	3.746E-05
470	9.8	0.108	1.01	1.530	3.790E-05
480	9.8	0.107	1.01	1.529	3.877E-05
490	9.8	0.107	1.01	1.528	3.960E-05
500	9.9	0.108	1.01	1.526	4.027E-05
510	10.0	0.109	1.00	1.526	4.086E-05
520	10.3	0.112	0.99	1.526	4.111E-05
530	10.8	0.118	0.97	1.525	4.097E-05
540	11.8	0.128	0.93	1.525	4.010E-05
550	12.9	0.141	0.89	1.524	3.904E-05
560	13.2	0.144	0.88	1.524	3.919E-05
570	12.4	0.136	0.91	1.523	4.119E-05
580	10.9	0.119	0.96	1.523	4.471E-05
590	9.7	0.105	1.02	1.523	4.801E-05
600	9.4	0.103	1.03	1.522	4.934E-05
610	9.2	0.101	1.03	1.522	5.060E-05
620	8.8	0.096	1.05	1.522	5.248E-05
630	8.2	0.089	1.09	1.521	5.512E-05
640	7.5	0.081	1.13	1.521	5.806E-05

$\lambda$ (nm)	T(%)	$\tau$	OD	$n_m$	$k_m$
650	7.1	0.077	1.15	1.521	6.023E-05
660	7.1	0.078	1.15	1.521	6.102E-05
670	7.6	0.083	1.12	1.520	6.043E-05
680	8.4	0.091	1.08	1.519	5.889E-05
690	9.2	0.100	1.04	1.519	5.747E-05
700	9.6	0.105	1.02	1.518	5.702E-05
710	9.8	0.107	1.01	1.518	5.740E-05
720	9.8	0.107	1.01	1.518	5.823E-05
730	9.8	0.106	1.01	1.518	5.915E-05
740	9.7	0.106	1.01	1.518	6.004E-05
750	9.8	0.106	1.01	1.518	6.079E-05
760	9.8	0.107	1.01	1.518	6.139E-05
770	10.0	0.109	1.00	1.518	6.185E-05
780	10.2	0.111	0.99	1.518	6.205E-05
790	10.4	0.114	0.98	1.519	6.217E-05
800	10.7	0.117	0.97	1.518	6.208E-05
850	13.2	0.144	0.88	1.510	5.962E-05
900	17.1	0.186	0.77	1.514	5.471E-05
950	21.8	0.238	0.66	1.516	4.938E-05
1000	27.2	0.296	0.57	1.513	4.400E-05
1050	32.8	0.357	0.48	1.516	3.909E-05
1100	38.1	0.414	0.42	1.512	3.506E-05
1150	42.7	0.465	0.37	1.513	3.185E-05
1200	46.8	0.509	0.33	1.512	2.928E-05
1250	50.8	0.552	0.29	1.512	2.684E-05
1300	54.9	0.597	0.26	1.511	2.429E-05
1350	58.6	0.638	0.23	1.510	2.198E-05
1400	61.2	0.665	0.21	1.508	2.063E-05
1450	63.4	0.689	0.20	1.509	1.950E-05
1500	65.6	0.713	0.18	1.507	1.836E-05

Spectrophotometer used HITACHI U-4100.

Date22/03/13