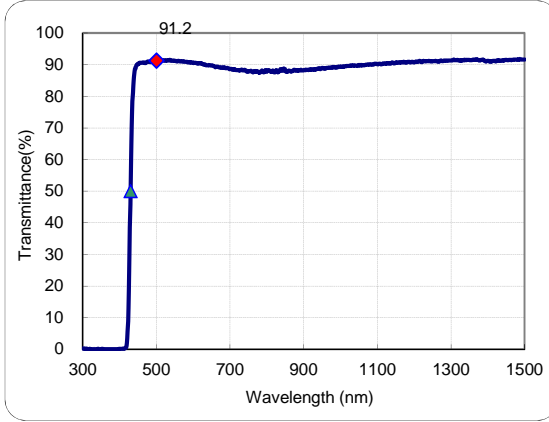


\*You can not use Macro security setting yet. Please refer to "MACRO SETTING" to use this page.

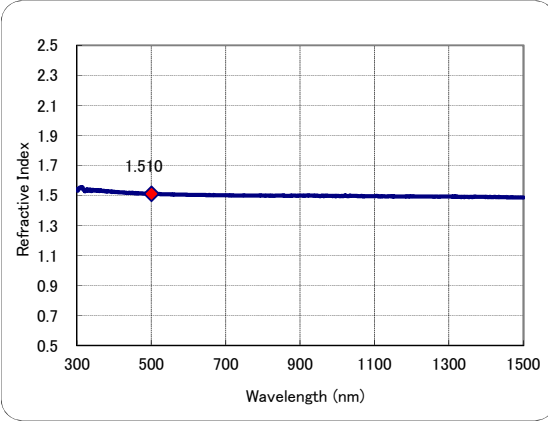
- All data are mean values of various melts.
- Change thickness and condition to check variations of data.→

Condition	Thickness	1.1mm
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### ● Transmittance



### ● Refractive index



<Meaning of sign>

- λ (nm) :Wavelength
- T (%) :External Transmittance
- τ :Internal Transmittance
- OD :Optical Density
- n<sub>m</sub> :Refractive Index
- k<sub>m</sub> :Extinction Coefficient

- ◆ < Set wavelength >
- ▲ <Transmittance50%>

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

λ (nm)	T(%)	τ	OD	n <sub>m</sub>	k <sub>m</sub>
500	91.2	0.991	0.04	1.510	3.318E-07
429.6	50.0	0.545	0.30	1.518	1.894E-05
-	-	-	-	-	-
587.56	90.7	0.984	0.04	1.505	7.037E-07
546.07	91.3	0.991	0.04	1.507	3.509E-07

λ (nm)	T(%)	τ	OD	n <sub>m</sub>	k <sub>m</sub>
300	0.3	0.003	2.60	1.541	1.278E-04
310	0.1	0.001	3.17	1.550	1.614E-04
320	0.1	0.001	3.18	1.533	1.674E-04
330	2.0E-03	2.2E-05	4.70	1.532	2.561E-04
340	0.1	0.001	3.19	1.532	1.783E-04
350	0.1	0.001	3.22	1.532	1.855E-04
360	3.7E-02	4.0E-04	3.43	1.529	2.035E-04
370	2.4E-02	2.6E-04	3.62	1.529	2.207E-04
380	4.4E-02	4.8E-04	3.36	1.527	2.100E-04
390	2.8E-02	3.1E-04	3.55	1.527	2.283E-04
400	0.1	0.001	3.04	1.525	1.997E-04
410	0.2	0.002	2.77	1.521	1.864E-04
420	2.0	0.022	1.69	1.521	1.157E-04
430	53.0	0.577	0.28	1.518	1.709E-05
440	87.1	0.948	0.06	1.517	1.699E-06
450	90.3	0.982	0.04	1.517	5.868E-07
460	90.6	0.986	0.04	1.514	4.849E-07
470	90.5	0.984	0.04	1.513	5.389E-07
480	90.9	0.988	0.04	1.512	4.199E-07
490	91.1	0.990	0.04	1.512	3.684E-07
500	91.2	0.991	0.04	1.510	3.318E-07
510	91.1	0.989	0.04	1.510	4.027E-07
520	91.4	0.993	0.04	1.509	2.704E-07
530	91.4	0.992	0.04	1.507	3.120E-07
540	91.3	0.990	0.04	1.507	3.790E-07
550	91.3	0.990	0.04	1.507	3.821E-07
560	91.2	0.989	0.04	1.506	4.292E-07
570	91.0	0.988	0.04	1.506	5.098E-07
580	90.9	0.986	0.04	1.505	6.036E-07
590	90.7	0.984	0.04	1.504	6.936E-07
600	90.6	0.982	0.04	1.503	7.810E-07
610	90.5	0.981	0.04	1.504	8.484E-07
620	90.5	0.981	0.04	1.503	8.608E-07
630	90.0	0.976	0.05	1.502	1.102E-06
640	89.8	0.974	0.05	1.502	1.233E-06

λ (nm)	T(%)	τ	OD	n <sub>m</sub>	k <sub>m</sub>
650	89.7	0.972	0.05	1.502	1.327E-06
660	89.2	0.967	0.05	1.502	1.596E-06
670	89.1	0.966	0.05	1.502	1.666E-06
680	89.1	0.966	0.05	1.501	1.710E-06
690	88.9	0.963	0.05	1.501	1.886E-06
700	88.6	0.960	0.05	1.500	2.056E-06
710	88.5	0.958	0.05	1.500	2.181E-06
720	88.3	0.957	0.05	1.500	2.302E-06
730	88.3	0.957	0.05	1.499	2.328E-06
740	88.4	0.957	0.05	1.499	2.328E-06
750	87.9	0.953	0.06	1.500	2.625E-06
760	87.7	0.950	0.06	1.499	2.804E-06
770	87.9	0.952	0.06	1.499	2.729E-06
780	87.5	0.948	0.06	1.498	3.008E-06
790	87.7	0.950	0.06	1.500	2.938E-06
800	87.8	0.951	0.06	1.499	2.905E-06
850	88.2	0.955	0.05	1.498	2.840E-06
900	88.2	0.956	0.05	1.499	2.953E-06
950	88.9	0.963	0.05	1.497	2.600E-06
1000	89.3	0.967	0.05	1.497	2.425E-06
1050	89.8	0.972	0.05	1.496	2.154E-06
1100	90.2	0.976	0.04	1.494	1.967E-06
1150	90.6	0.980	0.04	1.493	1.672E-06
1200	90.7	0.982	0.04	1.494	1.614E-06
1250	91.1	0.985	0.04	1.493	1.341E-06
1300	91.3	0.987	0.04	1.492	1.195E-06
1350	91.5	0.989	0.04	1.490	1.089E-06
1400	91.2	0.986	0.04	1.490	1.427E-06
1450	91.5	0.989	0.04	1.488	1.203E-06
1500	91.7	0.989	0.04	1.486	1.163E-06

Spectrophotometer used HITACHI U-4100.

Date14/12/09