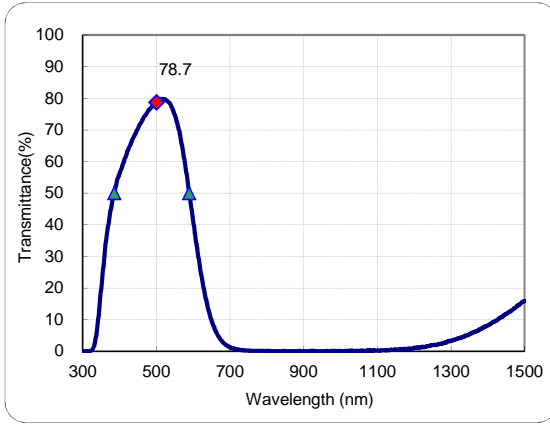


\*You can not use Macro security setting yet. Please refer to "MACRO SETTING" to use this page.

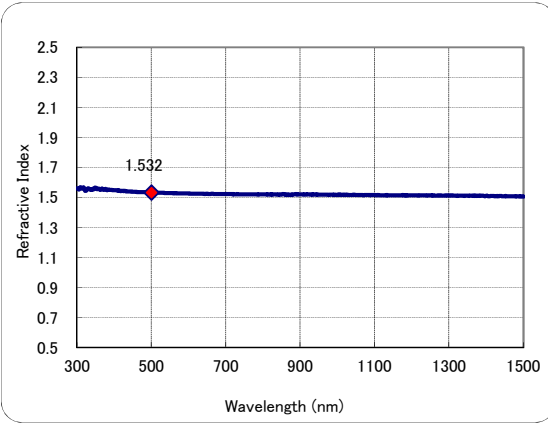
- All data are mean values of various melts.
- Change thickness and condition to check variations of data.→

Condition	Thickness	1mm
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### ● 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	78.7	0.861	0.10	1.532	5.974E-06
385.8	50.0	0.550	0.30	1.551	1.837E-05
589.4	50.0	0.546	0.30	1.526	2.838E-05
587.56	51.5	0.562	0.29	1.526	2.691E-05
546.07	75.9	0.829	0.12	1.529	8.133E-06

$\lambda$ (nm)	T(%)	$\tau$	OD	$n_m$	$k_m$
300	2.4E-02	2.6E-04	3.62	1.561	1.966E-04
310	0.1	0.001	3.28	1.568	1.841E-04
320	4.9E-02	0.001	3.31	1.560	1.916E-04
330	1.4	0.016	1.85	1.560	1.091E-04
340	8.2	0.090	1.09	1.555	6.503E-05
350	19.7	0.218	0.70	1.564	4.243E-05
360	31.5	0.347	0.50	1.556	3.034E-05
370	40.3	0.443	0.39	1.553	2.396E-05
380	47.2	0.519	0.33	1.550	1.986E-05
390	52.4	0.576	0.28	1.550	1.714E-05
400	56.1	0.616	0.25	1.547	1.542E-05
410	59.4	0.652	0.23	1.545	1.396E-05
420	62.7	0.688	0.20	1.543	1.252E-05
430	65.5	0.718	0.18	1.542	1.134E-05
440	68.0	0.745	0.17	1.540	1.028E-05
450	70.5	0.772	0.15	1.538	9.256E-06
460	72.6	0.794	0.14	1.536	8.444E-06
470	74.7	0.817	0.13	1.535	7.554E-06
480	76.4	0.836	0.12	1.534	6.860E-06
490	77.6	0.849	0.11	1.533	6.390E-06
500	78.7	0.861	0.10	1.532	5.974E-06
510	79.6	0.870	0.10	1.532	5.674E-06
520	79.8	0.872	0.10	1.531	5.681E-06
530	79.1	0.864	0.10	1.530	6.188E-06
540	77.6	0.848	0.11	1.529	7.110E-06
550	74.7	0.815	0.13	1.529	8.932E-06
560	70.5	0.770	0.15	1.527	1.165E-05
570	64.6	0.705	0.19	1.527	1.584E-05
580	57.5	0.628	0.24	1.527	2.147E-05
590	49.5	0.541	0.31	1.526	2.887E-05
600	41.2	0.450	0.39	1.526	3.817E-05
610	32.9	0.359	0.48	1.525	4.969E-05
620	25.3	0.277	0.60	1.524	6.337E-05
630	19.0	0.207	0.72	1.524	7.893E-05
640	13.7	0.150	0.86	1.524	9.663E-05

$\lambda$ (nm)	T(%)	$\tau$	OD	$n_m$	$k_m$
650	9.6	0.105	1.02	1.524	1.164E-04
660	6.6	0.072	1.18	1.523	1.385E-04
670	4.4	0.048	1.36	1.523	1.623E-04
680	2.9	0.032	1.54	1.523	1.870E-04
690	1.9	0.021	1.72	1.522	2.127E-04
700	1.2	0.013	1.91	1.522	2.407E-04
710	0.8	0.009	2.08	1.521	2.663E-04
720	0.5	0.006	2.27	1.521	2.951E-04
730	0.4	0.004	2.44	1.522	3.218E-04
740	0.3	0.003	2.60	1.521	3.470E-04
750	0.2	0.002	2.71	1.521	3.672E-04
760	0.1	0.002	2.83	1.520	3.892E-04
770	0.1	0.001	2.95	1.520	4.104E-04
780	0.1	0.001	2.97	1.520	4.197E-04
790	0.1	0.001	2.96	1.520	4.234E-04
800	0.1	0.001	3.10	1.520	4.492E-04
850	3.0E-02	3.3E-04	3.52	1.520	5.428E-04
900	1.8E-02	2.0E-04	3.74	1.520	6.113E-04
950	4.9E-02	0.001	3.31	1.517	5.696E-04
1000	0.1	0.001	3.22	1.517	5.835E-04
1050	0.1	0.001	2.91	1.515	5.534E-04
1100	0.2	0.003	2.64	1.516	5.242E-04
1150	0.5	0.005	2.32	1.513	4.808E-04
1200	1.1	0.012	1.97	1.513	4.260E-04
1250	1.9	0.021	1.72	1.513	3.844E-04
1300	3.3	0.035	1.49	1.512	3.457E-04
1350	5.4	0.058	1.27	1.511	3.054E-04
1400	8.2	0.089	1.09	1.511	2.697E-04
1450	11.8	0.128	0.93	1.508	2.369E-04
1500	15.9	0.172	0.80	1.506	2.098E-04

Spectrophotometer used HITACHI U-4100.

Date14/12/09