IVB-490

Blue filter

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

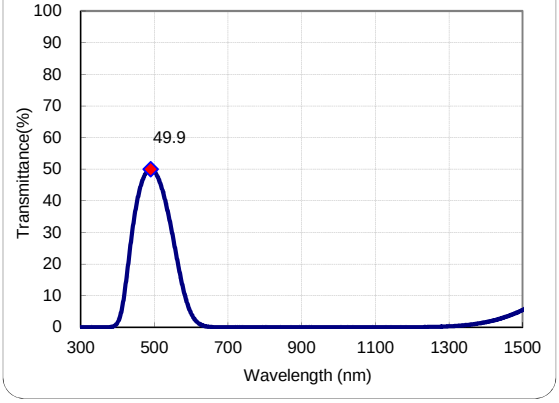
・ All data are mean values of various melts.

・ Change thickness and condition to check variations of data.→

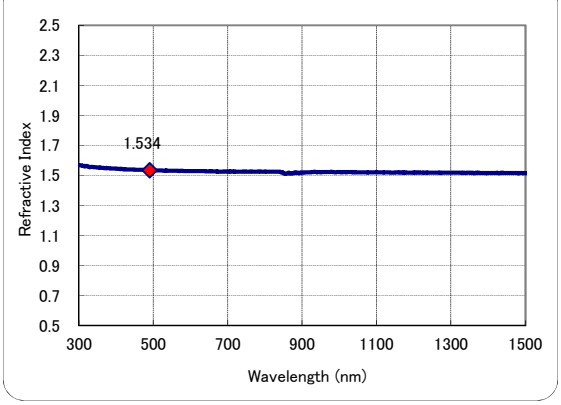
Condition

Thickness 2.5mm

● 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

	λ (nm)	T(%)	τ	OD	n_m	k_m
◆< Set wavelength >	490	49.9	0.546	0.30	1.534	9.430E-06
	-	-	-	-	-	-
	-	-	-	-	-	-
d-line(587.56nm)	587.56	8.1	0.089	1.09	1.529	4.535E-05
e-line(546.07nm)	546.07	31.0	0.339	0.51	1.531	1.879E-05

λ (nm)	T(%)	τ	OD	n_m	k_m
300	3.0E-03	3.3E-05	4.52	1.568	9.849E-05
310	2.0E-03	2.2E-05	4.70	1.563	1.058E-04
320	2.0E-03	2.2E-05	4.70	1.562	1.092E-04
330	1.0E-03	1.1E-05	5.00	1.554	1.199E-04
340	3.0E-03	3.3E-05	4.52	1.554	1.117E-04
350	4.0E-03	4.4E-05	4.40	1.552	1.118E-04
360	5.0E-03	5.5E-05	4.30	1.550	1.124E-04
370	1.2E-02	1.3E-04	3.92	1.548	1.052E-04
380	6.1E-02	6.7E-04	3.21	1.548	8.839E-05
390	0.3	3.5E-03	2.49	1.546	7.011E-05
400	1.4	1.6E-02	1.84	1.545	5.275E-05
410	4.9	5.4E-02	1.31	1.543	3.821E-05
420	11.9	1.3E-01	0.92	1.541	2.720E-05
430	21.2	0.232	0.67	1.540	1.997E-05
440	30.4	0.334	0.52	1.539	1.537E-05
450	38.0	0.416	0.42	1.538	1.256E-05
460	43.5	0.477	0.36	1.538	1.084E-05
470	47.2	0.516	0.33	1.536	9.884E-06
480	49.2	0.539	0.31	1.536	9.438E-06
490	49.9	0.546	0.30	1.534	9.430E-06
500	49.2	0.538	0.31	1.533	9.852E-06
510	47.2	0.517	0.33	1.533	1.072E-05
520	44.0	0.481	0.36	1.532	1.210E-05
530	39.7	0.434	0.40	1.532	1.408E-05
540	34.5	0.378	0.46	1.531	1.674E-05
550	28.6	0.313	0.54	1.530	2.032E-05
560	22.5	0.246	0.65	1.530	2.503E-05
570	16.5	0.180	0.78	1.530	3.109E-05
580	11.3	0.123	0.95	1.530	3.862E-05
590	7.2	0.079	1.14	1.529	4.772E-05
600	4.3	0.047	1.37	1.529	5.847E-05
610	2.4	0.026	1.63	1.528	7.100E-05
620	1.2	0.013	1.92	1.528	8.534E-05
630	0.6	0.006	2.23	1.528	1.013E-04
640	0.3	0.003	2.57	1.528	1.188E-04

λ (nm)	T(%)	τ	OD	n_m	k_m
650	0.1	0.001	2.93	1.527	1.378E-04
660	0.1	0.001	3.29	1.526	1.574E-04
670	2.2E-02	2.4E-04	3.66	1.526	1.777E-04
680	9.0E-03	9.8E-05	4.05	1.525	1.997E-04
690	5.0E-03	5.5E-05	4.30	1.526	2.156E-04
700	2.0E-03	2.2E-05	4.70	1.525	2.391E-04
710	2.0E-03	2.2E-05	4.70	1.526	2.425E-04
720	1.0E-03	1.1E-05	5.00	1.525	2.618E-04
730	2.0E-03	2.2E-05	4.70	1.525	2.494E-04
740	1.0E-03	1.1E-05	5.00	1.525	2.691E-04
750	1.0E-03	1.1E-05	5.00	1.525	2.727E-04
760	1.0E-03	1.1E-05	5.00	1.525	2.764E-04
770	1.0E-03	1.1E-05	5.00	1.525	2.800E-04
780	1.0E-03	1.1E-05	5.00	1.524	2.837E-04
790	2.0E-03	2.2E-05	4.70	1.525	2.699E-04
800	1.0E-03	1.1E-05	5.00	1.525	2.909E-04
850	1.7E-02	1.9E-04	3.77	1.515	2.325E-04
900	3.4E-02	3.7E-04	3.47	1.518	2.263E-04
950	1.9E-02	2.1E-04	3.72	1.521	2.565E-04
1000	1.3E-02	1.4E-04	3.89	1.522	2.820E-04
1050	3.0E-03	3.3E-05	4.52	1.521	3.452E-04
1100	2.5E-02	2.7E-04	3.60	1.521	2.873E-04
1150	9.0E-03	9.8E-05	4.05	1.520	3.378E-04
1200	2.0E-02	2.2E-04	3.70	1.519	3.220E-04
1250	0.1	0.001	3.00	1.519	2.718E-04
1300	0.3	0.003	2.53	1.518	2.372E-04
1350	0.7	0.008	2.14	1.518	2.078E-04
1400	1.6	0.017	1.80	1.515	1.808E-04
1450	3.1	0.034	1.80	1.515	1.808E-04
1500	5.4	0.059	1.80	1.515	1.808E-04

Spectrophotometer used HITACHI U-4100.

Date12/04/13

ISUZU GLASS