ILB-90

Light balancing 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.

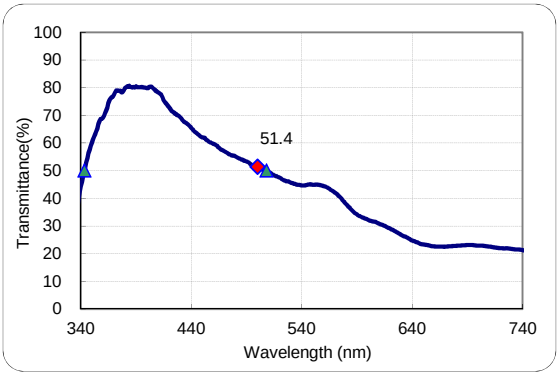
・ Change thickness and condition to check variations of data.→

Condition

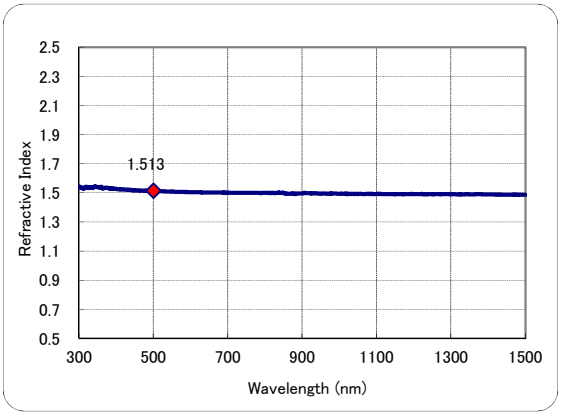
Thickness 2.4mm

Current data are approximate values.

● Transmittance



● Refractive index



B-R transformation ability V(mired)	−90.9

<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 >	500	51.4	0.559	0.29	1.513	9.642E-06
▲<Transmittance50%>	343.3	50.0	0.549	0.30	1.544	6.833E-06
▲<Transmittance50%>	508.0	50.0	0.544	0.30	1.511	1.026E-05
d-line(587.56nm)	587.56	34.9	0.379	0.46	1.506	1.892E-05
e-line(546.07nm)	546.07	45.0	0.489	0.35	1.508	1.295E-05

λ (nm)	T(%)	τ	OD	n_m	k_m
300	######	######	4.21	1.544	9.543E-05
310	0.5	0.006	2.29	1.532	5.327E-05
320	6.3	0.069	1.20	1.542	2.843E-05
330	23.0	0.252	0.64	1.536	1.509E-05
340	44.4	0.486	0.35	1.540	8.127E-06
350	60.2	0.660	0.22	1.539	4.829E-06
360	69.1	0.757	0.16	1.541	3.323E-06
370	77.5	0.848	0.11	1.535	2.021E-06
380	79.8	0.871	0.10	1.531	1.734E-06
390	80.5	0.879	0.09	1.528	1.674E-06
400	79.8	0.871	0.10	1.528	1.836E-06
410	78.3	0.855	0.11	1.525	2.136E-06
420	72.8	0.794	0.14	1.523	3.207E-06
430	69.3	0.755	0.16	1.521	3.999E-06
440	65.5	0.713	0.18	1.518	4.935E-06
450	62.0	0.676	0.21	1.516	5.853E-06
460	59.7	0.650	0.22	1.516	6.580E-06
470	57.1	0.621	0.24	1.515	7.422E-06
480	55.2	0.601	0.26	1.514	8.102E-06
490	53.4	0.581	0.27	1.513	8.832E-06
500	51.4	0.559	0.29	1.513	9.642E-06
510	49.6	0.539	0.30	1.511	1.045E-05
520	47.5	0.517	0.32	1.510	1.138E-05
530	45.7	0.497	0.34	1.509	1.227E-05
540	44.7	0.486	0.35	1.509	1.293E-05
550	44.9	0.488	0.35	1.507	1.307E-05
560	44.5	0.483	0.35	1.507	1.351E-05
570	42.1	0.458	0.38	1.506	1.477E-05
580	38.0	0.413	0.42	1.506	1.700E-05
590	34.2	0.372	0.47	1.505	1.936E-05
600	32.3	0.351	0.49	1.505	2.086E-05
610	30.9	0.335	0.51	1.504	2.210E-05
620	29.1	0.316	0.54	1.504	2.371E-05
630	26.9	0.292	0.57	1.503	2.575E-05
640	24.8	0.269	0.61	1.503	2.785E-05

λ (nm)	T(%)	τ	OD	n_m	k_m
650	23.3	0.253	0.63	1.503	2.960E-05
660	22.6	0.246	0.64	1.502	3.070E-05
670	22.5	0.245	0.65	1.502	3.128E-05
680	22.8	0.248	0.64	1.502	3.146E-05
690	23.1	0.251	0.64	1.501	3.163E-05
700	22.9	0.248	0.64	1.501	3.232E-05
710	22.5	0.245	0.65	1.500	3.314E-05
720	22.0	0.238	0.66	1.500	3.423E-05
730	21.8	0.236	0.66	1.500	3.493E-05
740	21.3	0.231	0.67	1.500	3.597E-05
750	21.1	0.229	0.68	1.499	3.666E-05
760	21.0	0.228	0.68	1.499	3.724E-05
770	20.8	0.226	0.68	1.499	3.802E-05
780	21.3	0.231	0.67	1.500	3.795E-05
790	21.2	0.230	0.67	1.499	3.848E-05
800	21.5	0.233	0.67	1.500	3.867E-05
850	23.4	0.254	0.63	1.498	3.860E-05
900	27.4	0.296	0.56	1.495	3.629E-05
950	31.9	0.345	0.50	1.494	3.349E-05
1000	37.0	0.401	0.43	1.494	3.029E-05
1050	42.0	0.454	0.38	1.492	2.747E-05
1100	46.4	0.502	0.33	1.492	2.515E-05
1150	50.4	0.545	0.30	1.490	2.317E-05
1200	54.0	0.584	0.27	1.491	2.142E-05
1250	57.3	0.620	0.24	1.490	1.981E-05
1300	60.8	0.658	0.22	1.490	1.805E-05
1350	64.0	0.692	0.19	1.489	1.649E-05
1400	66.4	0.717	0.18	1.489	1.541E-05
1450	67.9	0.733	0.17	1.486	1.490E-05
1500	70.2	0.758	0.15	1.486	1.375E-05

Spectrophotometer used HITACHI U-4100.

Date15/12/09

ISUZU GLASS