ILA-400 Light balancing filter

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

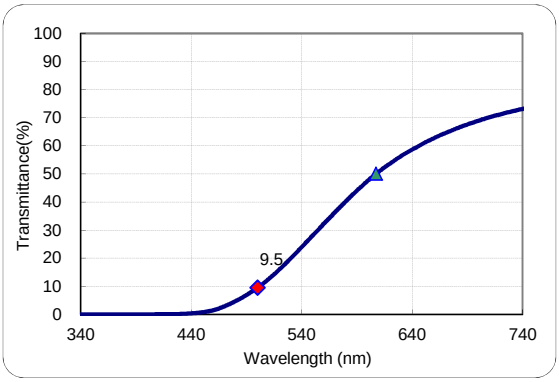
・ All data are mean values of various melts.

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

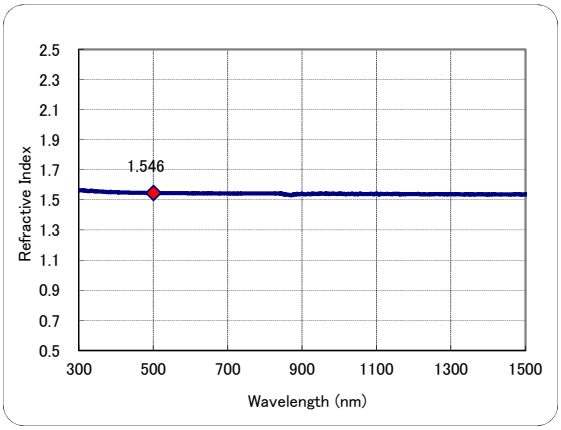
Condition | Thickness 2mm

Current data are approximate values.

● Transmittance



● Refractive index



B-R transformation ability V(mired)	409.1

<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	9.5	0.104	1.02	1.546	4.506E-05
▲<Transmittance50%>	607.4	50.0	0.549	0.30	1.544	1.450E-05
	-	-	-	-	-	-
d-line(587.56nm)	587.56	43.2	0.474	0.36	1.545	1.747E-05
e-line(546.07nm)	546.07	26.4	0.290	0.58	1.545	2.687E-05

λ (nm)	T(%)	τ	OD	n_m	k_m
300	1.7E-03	1.9E-05	4.76	1.564	1.296E-04
310	7.5E-03	8.3E-05	4.13	1.563	1.160E-04
320	3.0E-03	3.3E-05	4.52	1.560	1.313E-04
330	1.4E-03	1.5E-05	4.87	1.560	1.459E-04
340	3.5E-03	3.8E-05	4.46	1.559	1.376E-04
350	3.4E-03	3.8E-05	4.47	1.557	1.419E-04
360	5.6E-03	6.2E-05	4.25	1.556	1.388E-04
370	5.7E-03	6.2E-05	4.25	1.554	1.426E-04
380	5.4E-03	6.0E-05	4.26	1.553	1.470E-04
390	5.2E-03	5.8E-05	4.28	1.551	1.515E-04
400	1.4E-02	1.6E-04	3.84	1.551	1.392E-04
410	0.1	0.001	3.11	1.550	1.153E-04
420	0.1	0.001	3.12	1.550	1.183E-04
430	0.2	0.002	2.76	1.549	1.072E-04
440	0.4	0.004	2.43	1.548	9.614E-05
450	0.7	0.008	2.13	1.548	8.606E-05
460	1.5	0.017	1.82	1.548	7.507E-05
470	2.8	0.031	1.55	1.547	6.486E-05
480	4.6	0.051	1.33	1.546	5.682E-05
490	6.9	0.075	1.16	1.546	5.040E-05
500	9.5	0.104	1.02	1.546	4.506E-05
510	12.5	0.138	0.90	1.546	4.026E-05
520	16.0	0.176	0.79	1.545	3.592E-05
530	19.9	0.219	0.70	1.545	3.207E-05
540	23.9	0.263	0.62	1.545	2.870E-05
550	28.1	0.308	0.55	1.545	2.575E-05
560	32.2	0.353	0.49	1.545	2.317E-05
570	36.2	0.398	0.44	1.544	2.091E-05
580	40.2	0.441	0.40	1.545	1.887E-05
590	44.1	0.484	0.36	1.544	1.706E-05
600	47.6	0.522	0.32	1.544	1.552E-05
610	50.8	0.558	0.29	1.544	1.418E-05
620	53.7	0.589	0.27	1.545	1.306E-05
630	56.3	0.618	0.25	1.544	1.207E-05
640	58.7	0.644	0.23	1.544	1.122E-05

λ (nm)	T(%)	τ	OD	n_m	k_m
650	60.8	0.667	0.22	1.544	1.047E-05
660	62.7	0.688	0.20	1.544	9.807E-06
670	64.5	0.707	0.19	1.543	9.227E-06
680	66.1	0.725	0.18	1.542	8.703E-06
690	67.6	0.741	0.17	1.542	8.236E-06
700	68.9	0.756	0.16	1.543	7.803E-06
710	70.1	0.769	0.15	1.543	7.423E-06
720	71.2	0.780	0.15	1.543	7.101E-06
730	72.2	0.792	0.14	1.542	6.778E-06
740	73.1	0.802	0.14	1.543	6.512E-06
750	73.8	0.810	0.13	1.543	6.306E-06
760	74.5	0.817	0.13	1.543	6.124E-06
770	75.1	0.823	0.12	1.543	5.957E-06
780	75.7	0.829	0.12	1.543	5.804E-06
790	76.1	0.834	0.12	1.543	5.693E-06
800	76.5	0.838	0.12	1.543	5.615E-06
850	78.2	0.856	0.11	1.536	5.277E-06
900	79.5	0.871	0.10	1.542	4.959E-06
950	80.5	0.882	0.09	1.544	4.732E-06
1000	81.4	0.892	0.09	1.542	4.569E-06
1050	82.2	0.900	0.09	1.538	4.423E-06
1100	82.9	0.908	0.08	1.542	4.206E-06
1150	83.6	0.915	0.08	1.541	4.058E-06
1200	84.1	0.920	0.08	1.538	3.964E-06
1250	84.7	0.927	0.07	1.538	3.769E-06
1300	85.3	0.934	0.07	1.539	3.535E-06
1350	85.9	0.940	0.07	1.536	3.340E-06
1400	86.5	0.946	0.06	1.536	3.110E-06
1450	87.0	0.952	0.06	1.536	2.842E-06
1500	87.5	0.957	0.06	1.538	2.608E-06

Spectrophotometer used HITACHI U-4100.

Date28/02/11

ISUZU GLASS