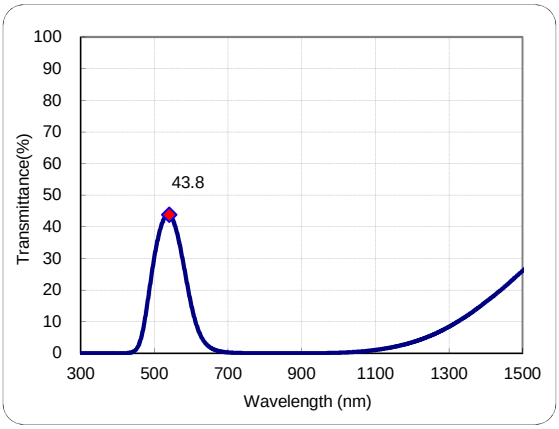
IVG-540 Green filter

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

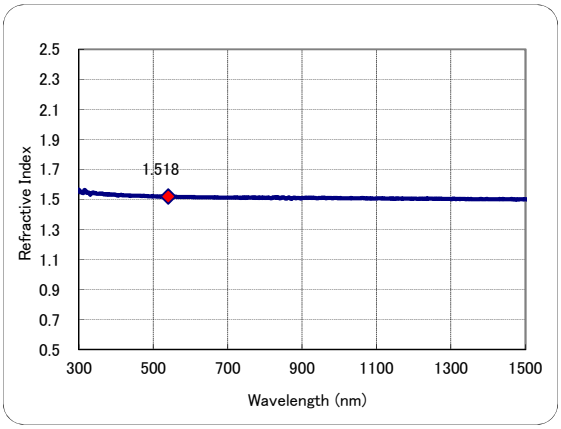
Condition | Thickness 2.5mm

Current data are approximate values.

● 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 >	540	43.8	0.477	0.36	1.518	1.272E-05
	-	-	-	-	-	-
	-	-	-	-	-	-
d-line(587.56nm)	587.56	22.7	0.247	0.64	1.516	2.614E-05
e-line(546.07nm)	546.07	43.0	0.469	0.37	1.518	1.316E-05

λ (nm)	T(%)	τ	OD	n_m	k_m
300	2.7E-08	2.9E-10	9.57	1.562	2.096E-04
310	3.1E-08	3.4E-10	9.50	1.543	2.150E-04
320	3.0E-08	3.3E-10	9.52	1.548	2.224E-04
330	3.4E-08	3.7E-10	9.47	1.534	2.282E-04
340	3.2E-08	3.5E-10	9.50	1.542	2.357E-04
350	3.3E-08	3.6E-10	9.48	1.537	2.423E-04
360	3.2E-08	3.5E-10	9.49	1.539	2.494E-04
370	3.4E-08	3.7E-10	9.47	1.534	2.557E-04
380	1.1E-06	1.3E-08	7.94	1.534	2.201E-04
390	6.9E-05	7.6E-07	6.16	1.532	1.750E-04
400	2.9E-04	3.1E-06	5.54	1.529	1.614E-04
410	2.8E-03	3.1E-05	4.55	1.529	1.356E-04
420	1.9E-02	2.1E-04	3.72	1.527	1.133E-04
430	0.1	0.001	3.06	1.526	9.510E-05
440	0.3	0.004	2.47	1.524	7.848E-05
450	1.1	0.012	1.94	1.524	6.282E-05
460	3.3	0.037	1.48	1.524	4.845E-05
470	8.0	0.087	1.10	1.523	3.653E-05
480	15.0	0.164	0.82	1.522	2.764E-05
490	23.0	0.251	0.64	1.520	2.157E-05
500	30.5	0.332	0.52	1.520	1.754E-05
510	36.5	0.398	0.44	1.519	1.496E-05
520	40.8	0.445	0.39	1.519	1.340E-05
530	43.3	0.472	0.36	1.518	1.268E-05
540	43.8	0.477	0.36	1.518	1.272E-05
550	42.2	0.460	0.37	1.517	1.361E-05
560	38.7	0.422	0.41	1.517	1.540E-05
570	33.6	0.366	0.47	1.516	1.823E-05
580	27.5	0.300	0.56	1.516	2.223E-05
590	21.1	0.230	0.67	1.515	2.758E-05
600	15.3	0.167	0.81	1.515	3.416E-05
610	10.6	0.115	0.98	1.515	4.194E-05
620	7.0	0.077	1.15	1.514	5.070E-05
630	4.6	0.050	1.34	1.514	6.014E-05
640	3.0	0.032	1.53	1.514	6.992E-05

λ (nm)	T(%)	τ	OD	n_m	k_m
650	1.9	0.021	1.72	1.513	7.996E-05
660	1.2	0.014	1.90	1.513	9.031E-05
670	0.8	0.009	2.09	1.513	1.006E-04
680	0.5	0.006	2.26	1.512	1.110E-04
690	0.4	0.004	2.43	1.512	1.213E-04
700	0.3	0.003	2.60	1.512	1.314E-04
710	0.2	0.002	2.75	1.512	1.414E-04
720	1.3E-01	0.001	2.90	1.513	1.510E-04
730	9.1E-02	0.001	3.04	1.511	1.608E-04
740	6.6E-02	0.001	3.18	1.512	1.705E-04
750	4.9E-02	0.001	3.31	1.511	1.798E-04
760	3.7E-02	4.1E-04	3.43	1.511	1.890E-04
770	2.9E-02	3.1E-04	3.54	1.512	1.979E-04
780	2.2E-02	2.4E-04	3.65	1.511	2.067E-04
790	1.8E-02	2.0E-04	3.74	1.511	2.144E-04
800	1.5E-02	1.7E-04	3.82	1.510	2.217E-04
850	6.3E-03	6.9E-05	4.20	1.513	2.593E-04
900	8.7E-03	9.4E-05	4.06	1.509	2.656E-04
950	3.8E-02	4.1E-04	3.42	1.510	2.355E-04
1000	0.2	0.002	2.79	1.508	2.020E-04
1050	0.5	0.005	2.35	1.507	1.778E-04
1100	1.0	0.011	1.99	1.507	1.575E-04
1150	2.0	0.022	1.70	1.504	1.404E-04
1200	3.4	0.037	1.46	1.505	1.256E-04
1250	5.5	0.060	1.26	1.504	1.119E-04
1300	8.3	0.091	1.08	1.503	9.935E-05
1350	11.9	0.129	0.92	1.501	8.795E-05
1400	16.2	0.176	0.79	1.500	7.746E-05
1450	20.9	0.226	0.79	1.500	7.746E-05
1500	26.0	0.283	0.79	1.500	7.746E-05

Spectrophotometer used HITACHI U-4100.

Date20/01/09

ISUZU GLASS