IUV-340 UV transmitting, Visible absorbing filter

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

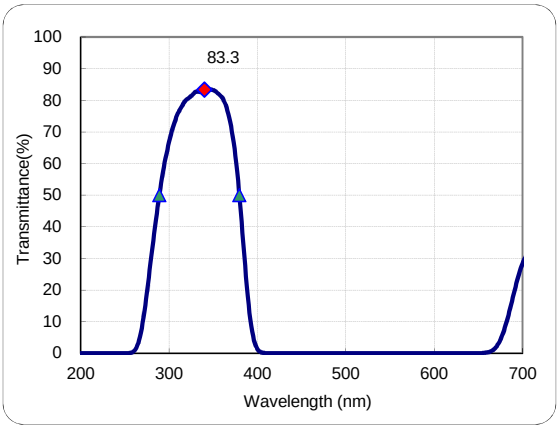
・ All data are mean values of various melts.

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

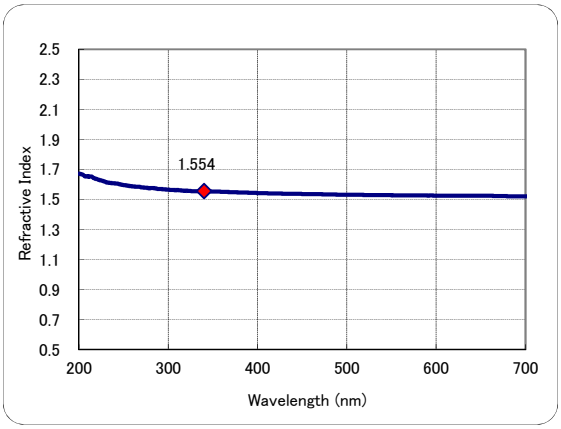
Thickness 1mm

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 >	340	83.3	0.916	0.08	1.554	2.368E-06
▲<Transmittance50%>	289.0	50.0	0.553	0.30	1.569	1.364E-05
▲<Transmittance50%>	379.5	50.0	0.549	0.30	1.546	1.812E-05
d-line(587.56nm)	587.56	3.7E-04	4.0E-06	5.43	1.526	5.806E-04
e-line(546.07nm)	546.07	3.2E-03	3.5E-05	4.49	1.528	4.454E-04

λ (nm)	T(%)	τ	OD	n_m	k_m
200	4.5E-05	5.1E-07	6.35	1.671	2.305E-04
210	3.8E-05	4.3E-07	6.42	1.650	2.451E-04
220	4.0E-05	4.6E-07	6.39	1.635	2.556E-04
230	3.0E-05	3.4E-07	6.52	1.615	2.726E-04
240	3.1E-05	3.5E-07	6.50	1.607	2.838E-04
250	8.0E-04	8.9E-06	5.10	1.595	2.313E-04
260	0.6	0.007	2.23	1.587	1.038E-04
270	9.5	0.106	1.02	1.581	4.829E-05
280	31.0	0.344	0.51	1.575	2.379E-05
290	52.0	0.575	0.28	1.569	1.278E-05
300	66.9	0.738	0.17	1.565	7.259E-06
310	75.9	0.836	0.12	1.562	4.405E-06
320	80.3	0.883	0.10	1.558	3.163E-06
330	82.7	0.909	0.08	1.554	2.495E-06
340	83.3	0.916	0.08	1.554	2.368E-06
350	83.2	0.914	0.08	1.552	2.497E-06
360	80.8	0.888	0.09	1.550	3.417E-06
370	71.8	0.788	0.14	1.548	7.008E-06
380	48.3	0.531	0.32	1.546	1.917E-05
390	15.3	0.168	0.82	1.544	5.543E-05
400	1.2	0.014	1.91	1.542	1.370E-04
410	2.5E-02	2.8E-04	3.60	1.541	2.673E-04
420	4.5E-03	4.9E-05	4.35	1.539	3.314E-04
430	3.1E-03	3.3E-05	4.52	1.538	3.526E-04
440	3.1E-03	3.3E-05	4.52	1.537	3.608E-04
450	3.1E-03	3.3E-05	4.52	1.536	3.691E-04
460	3.1E-03	3.3E-05	4.52	1.535	3.773E-04
470	4.5E-03	4.9E-05	4.35	1.535	3.709E-04
480	3.1E-03	3.3E-05	4.52	1.533	3.937E-04
490	3.1E-03	3.3E-05	4.52	1.532	4.019E-04
500	2.2E-03	2.4E-05	4.67	1.531	4.240E-04
510	1.8E-03	2.0E-05	4.74	1.530	4.397E-04
520	1.1E-03	1.2E-05	4.95	1.529	4.679E-04
530	1.1E-03	1.2E-05	4.98	1.529	4.796E-04
540	2.0E-03	2.2E-05	4.70	1.528	4.613E-04

λ (nm)	T(%)	τ	OD	n_m	k_m
550	4.0E-03	4.3E-05	4.40	1.528	4.396E-04
560	3.2E-03	3.5E-05	4.49	1.528	4.571E-04
570	8.5E-04	9.3E-06	5.07	1.527	5.254E-04
580	3.3E-04	3.6E-06	5.48	1.526	5.784E-04
590	4.1E-04	4.4E-06	5.39	1.526	5.787E-04
600	6.5E-04	7.1E-06	5.19	1.525	5.661E-04
610	9.9E-04	1.1E-05	5.00	1.525	5.551E-04
620	9.8E-04	1.1E-05	5.01	1.524	5.648E-04
630	1.1E-03	1.3E-05	4.94	1.524	5.658E-04
640	3.3E-03	3.6E-05	4.49	1.524	5.215E-04
650	2.2E-02	2.4E-04	3.66	1.524	4.312E-04
660	0.2	0.003	2.63	1.524	3.134E-04
670	1.9	0.021	1.72	1.522	2.067E-04
680	8.1	0.088	1.09	1.521	1.314E-04
690	18.8	0.205	0.73	1.521	8.712E-05
700	28.3	0.309	0.55	1.521	6.539E-05
750	24.9	0.272	0.60	1.520	7.771E-05
800	8.7	0.095	1.06	1.520	1.496E-04
900	3.3	0.036	1.48	1.501	2.386E-04
1000	5.9	0.064	1.23	1.502	2.183E-04
1100	7.4	0.081	1.13	1.503	2.202E-04
1200	4.9	0.053	1.31	1.501	2.796E-04
1300	3.4	0.037	1.46	1.499	3.399E-04
1400	3.4	0.037	1.47	1.497	3.669E-04
1500	2.9	0.031	1.54	1.499	4.128E-04
1600	2.7	0.030	1.56	1.496	4.483E-04
1700	2.5	0.027	1.60	1.492	4.865E-04
1800	2.2	0.024	1.65	1.490	5.326E-04
1900	2.5	0.027	1.60	1.489	5.450E-04
2000	3.4	0.037	1.47	1.488	5.249E-04

Spectrophotometer used HITACHI U-4100.

Date21/12/11

ISUZU GLASS