IHU-340 UV transmitting filter

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

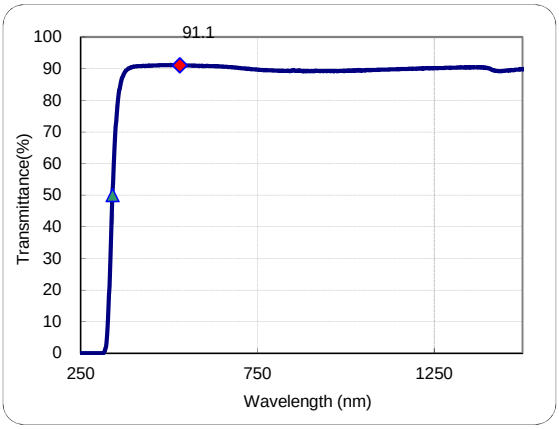
・ All data are mean values of various melts.

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

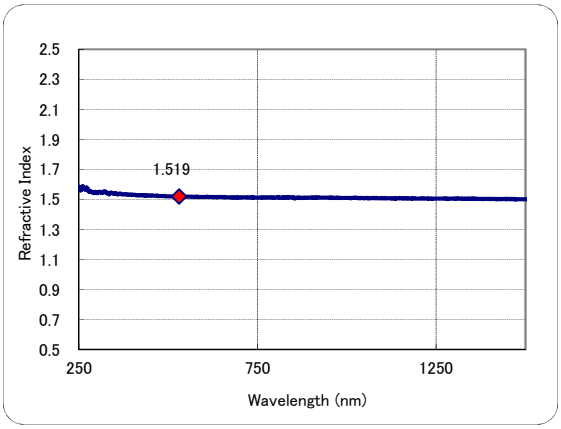
Thickness 2.5mm

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 >	530	91.1	0.992	0.04	1.519	1.432E-07
▲<Transmittance50%>	339.8	50.0	0.549	0.30	1.546	6.488E-06
	-	-	-	-	-	-
d-line(587.56nm)	587.56	90.9	0.989	0.04	1.516	2.101E-07
e-line(546.07nm)	546.07	91.0	0.991	0.04	1.518	1.638E-07

λ (nm)	T(%)	τ	OD	n_m	k_m
250	4.7E-03	5.3E-05	4.32	1.582	7.841E-05
260	4.7E-03	5.3E-05	4.32	1.584	8.154E-05
270	3.1E-03	3.5E-05	4.51	1.569	8.829E-05
280	3.1E-03	3.4E-05	4.51	1.552	9.160E-05
290	3.1E-03	3.4E-05	4.51	1.543	9.489E-05
300	2.3E-03	2.6E-05	4.63	1.544	1.010E-04
310	1.0E-02	1.1E-04	3.98	1.549	8.951E-05
320	1.5	0.016	1.84	1.552	4.214E-05
330	18.2	0.200	0.74	1.542	1.691E-05
340	50.8	0.558	0.29	1.547	6.320E-06
350	73.4	0.804	0.13	1.539	2.432E-06
360	83.7	0.915	0.08	1.534	1.013E-06
370	87.8	0.960	0.06	1.533	4.795E-07
380	89.6	0.980	0.05	1.536	2.427E-07
390	90.3	0.987	0.04	1.534	1.629E-07
400	90.7	0.990	0.04	1.530	1.299E-07
410	90.8	0.991	0.04	1.527	1.240E-07
420	90.8	0.990	0.04	1.526	1.300E-07
430	90.8	0.991	0.04	1.526	1.257E-07
440	90.9	0.992	0.04	1.526	1.145E-07
450	90.9	0.992	0.04	1.526	1.176E-07
460	91.0	0.992	0.04	1.524	1.161E-07
470	91.0	0.992	0.04	1.524	1.155E-07
480	91.1	0.993	0.04	1.522	1.133E-07
490	91.1	0.993	0.04	1.522	1.153E-07
500	91.1	0.993	0.04	1.521	1.195E-07
510	91.1	0.992	0.04	1.519	1.303E-07
520	91.1	0.992	0.04	1.519	1.364E-07
530	91.1	0.992	0.04	1.519	1.432E-07
540	91.1	0.991	0.04	1.518	1.535E-07
550	91.0	0.991	0.04	1.518	1.669E-07
560	91.0	0.990	0.04	1.517	1.766E-07
570	91.0	0.990	0.04	1.517	1.877E-07
580	90.9	0.989	0.04	1.517	2.012E-07
590	90.9	0.989	0.04	1.516	2.128E-07

λ (nm)	T(%)	τ	OD	n_m	k_m
600	90.8	0.988	0.04	1.516	2.277E-07
610	90.8	0.988	0.04	1.517	2.261E-07
620	90.8	0.988	0.04	1.515	2.479E-07
630	90.8	0.987	0.04	1.515	2.604E-07
640	90.7	0.987	0.04	1.515	2.748E-07
650	90.7	0.986	0.04	1.515	2.846E-07
660	90.6	0.985	0.04	1.514	3.155E-07
670	90.5	0.984	0.04	1.513	3.440E-07
680	90.4	0.983	0.04	1.512	3.809E-07
690	90.3	0.982	0.04	1.513	4.053E-07
700	90.2	0.980	0.04	1.512	4.461E-07
710	90.1	0.980	0.05	1.513	4.680E-07
720	90.0	0.978	0.05	1.512	5.158E-07
730	89.9	0.977	0.05	1.514	5.350E-07
740	89.8	0.976	0.05	1.513	5.748E-07
750	89.7	0.975	0.05	1.513	6.111E-07
800	89.4	0.971	0.05	1.512	7.482E-07
850	89.6	0.974	0.05	1.514	7.155E-07
900	89.2	0.969	0.05	1.511	8.949E-07
1000	89.3	0.970	0.05	1.510	9.606E-07
1100	89.7	0.974	0.05	1.508	9.359E-07
1200	90.0	0.976	0.05	1.505	9.179E-07
1300	90.3	0.980	0.04	1.504	8.520E-07
1400	90.2	0.978	0.04	1.503	9.805E-07
1500	89.8	0.974	0.05	1.501	1.269E-06
1600	89.8	0.973	0.05	1.501	1.387E-06
1700	89.2	0.966	0.05	1.499	1.860E-06
1800	88.2	0.955	0.05	1.498	2.662E-06
1900	87.1	0.943	0.06	1.497	3.522E-06
2000	85.8	0.929	0.07	1.494	4.715E-06

Spectrophotometer used HITACHI U-4100.

Date14/12/09

ISUZU GLASS