IEC-131K Color compensation filter

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

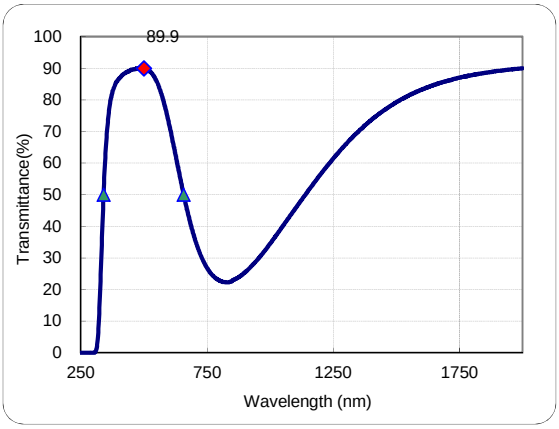
・ All data are mean values of various melts.

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

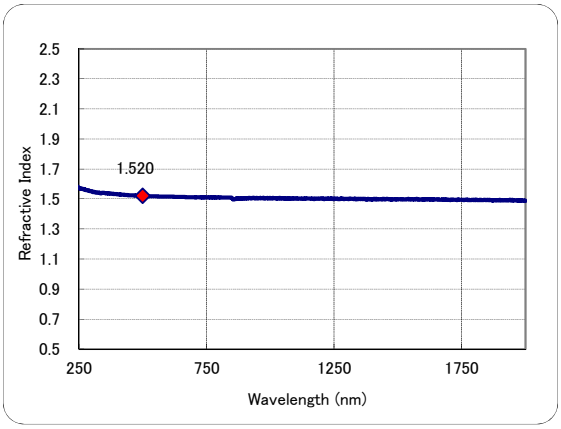
thickness 0.4mm

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 >	500	89.9	0.979	0.05	1.520	2.100E-06
▲<Transmittance50%>	340.2	50.0	0.548	0.30	1.541	4.069E-05
▲<Transmittance50%>	657.7	50.0	0.544	0.30	1.514	7.960E-05
d-line(587.56nm)	587.56	76.5	0.833	0.12	1.516	2.136E-05
e-line(546.07nm)	546.07	86.5	0.942	0.06	1.518	6.528E-06

λ (nm)	T(%)	τ	OD	n_m	k_m
250	1.5E-02	1.7E-04	3.81	1.574	4.318E-04
260	9.3E-03	1.0E-04	4.03	1.568	4.752E-04
270	5.6E-03	6.2E-05	4.25	1.565	5.204E-04
280	3.7E-03	4.1E-05	4.43	1.558	5.632E-04
290	3.2E-03	3.6E-05	4.49	1.554	5.907E-04
300	6.9E-03	7.6E-05	4.16	1.551	5.659E-04
310	0.6	6.4E-03	2.23	1.547	3.111E-04
320	7.6	0.084	1.12	1.541	1.578E-04
330	27.0	0.296	0.57	1.541	7.991E-05
340	49.6	0.544	0.30	1.540	4.122E-05
350	65.7	0.720	0.18	1.540	2.290E-05
360	75.2	0.823	0.12	1.538	1.391E-05
370	80.7	0.883	0.09	1.537	9.144E-06
380	83.5	0.913	0.08	1.535	6.881E-06
390	85.5	0.935	0.07	1.533	5.235E-06
400	86.6	0.946	0.06	1.531	4.412E-06
410	87.4	0.954	0.06	1.530	3.801E-06
420	88.1	0.962	0.05	1.528	3.224E-06
430	88.7	0.968	0.05	1.527	2.809E-06
440	89.0	0.971	0.05	1.526	2.556E-06
450	89.6	0.977	0.05	1.525	2.104E-06
460	89.7	0.978	0.05	1.524	2.059E-06
470	89.9	0.980	0.05	1.523	1.890E-06
480	90.0	0.981	0.05	1.522	1.863E-06
490	90.1	0.981	0.05	1.521	1.857E-06
500	89.9	0.979	0.05	1.520	2.100E-06
510	89.7	0.977	0.05	1.520	2.394E-06
520	89.2	0.971	0.05	1.519	3.053E-06
530	88.6	0.964	0.05	1.518	3.855E-06
540	87.5	0.952	0.06	1.517	5.302E-06
550	85.9	0.935	0.07	1.517	7.314E-06
560	84.0	0.914	0.08	1.517	1.004E-05
570	81.6	0.889	0.09	1.517	1.341E-05
580	78.9	0.858	0.10	1.516	1.761E-05
590	75.7	0.824	0.12	1.516	2.273E-05

λ (nm)	T(%)	τ	OD	n_m	k_m
600	72.2	0.786	0.14	1.515	2.878E-05
610	68.6	0.746	0.16	1.515	3.554E-05
620	64.7	0.704	0.19	1.515	4.330E-05
630	60.7	0.661	0.22	1.514	5.190E-05
640	56.8	0.619	0.25	1.514	6.115E-05
650	53.0	0.576	0.28	1.513	7.125E-05
660	49.1	0.534	0.31	1.513	8.227E-05
670	45.6	0.496	0.34	1.512	9.354E-05
680	42.3	0.460	0.37	1.512	1.051E-04
690	39.2	0.427	0.41	1.511	1.169E-04
700	36.5	0.397	0.44	1.511	1.287E-04
710	34.0	0.370	0.47	1.511	1.405E-04
720	31.8	0.346	0.50	1.511	1.521E-04
730	29.9	0.325	0.52	1.511	1.632E-04
740	28.3	0.308	0.55	1.511	1.736E-04
750	26.8	0.292	0.57	1.511	1.836E-04
800	22.8	0.248	0.64	1.511	2.217E-04
850	22.8	0.247	0.64	1.504	2.362E-04
900	25.4	0.276	0.59	1.503	2.305E-04
1000	3.5E+01	0.375	0.46	1.506	1.949E-04
1100	4.6E+01	0.496	0.34	1.506	1.534E-04
1200	56.5	0.613	0.25	1.504	1.169E-04
1300	6.6E+01	0.716	0.18	1.501	8.653E-05
1400	7.4E+01	8.0E-01	0.13	1.497	6.310E-05
1500	7.9E+01	0.858	0.10	1.498	4.554E-05
1600	83.2	0.900	0.08	1.496	3.339E-05
1700	86.0	0.930	0.07	1.494	2.443E-05
1800	87.8	0.950	0.06	1.495	1.828E-05
1900	89.2	0.964	0.05	1.494	1.372E-05
2000	90.0	0.972	0.05	1.489	1.134E-05

Spectrophotometer used HITACHI U-4100.

Date28/02/11

ISUZU GLASS