

Transmittance (T)

units: %

λnm	200	210	220	230	240	250	260	270	280	290	300	310	320	330	340	350	360	370	380	390
T	<1E-6	<1E-6	<1E-6	<1E-6	<1E-6	<1E-6	<1E-6	<1E-6	2E-06	5E-05	2E-03	6E-02	1.97	15.29	39.20	59.72	71.92	78.24	81.45	83.27
λnm	400	410	420	430	440	450	460	470	480	490	500	510	520	530	540	550	560	570	580	590
T	84.42	85.31	85.95	86.53	87.11	87.56	87.96	88.24	88.49	88.67	88.75	88.58	88.13	87.26	85.86	83.75	80.78	76.87	72.03	66.29
λnm	600	610	620	630	640	650	660	670	680	690	700	710	720	730	740	750	760	770	780	790
T	59.82	52.96	45.83	38.92	32.32	26.27	20.92	16.66	12.90	9.92	7.61	5.84	4.50	3.49	2.74	2.18	1.78	1.47	1.24	1.08
λnm	800	810	820	830	840	850	860	870	880	890	900	910	920	930	940	950	960	970	980	990
T	0.96	0.87	0.83	0.79	0.77	0.76	0.79	0.80	0.85	0.88	0.96	1.02	1.12	1.20	1.35	1.45	1.61	1.78	1.95	2.16
λnm	1000	1010	1020	1030	1040	1050	1060	1070	1080	1090	1100	1120	1140	1160	1180	1200				
T	2.38	2.63	2.89	3.19	3.50	3.85	4.22	4.62	5.03	5.49	5.98	7.06	8.30	9.65	11.20	12.90				

Refractive Index/Absorption coefficient/Reflection coefficient

λnm	400	500	600	700	800	900	1000
n	1.554	1.544	1.539	1.535	1.533	1.532	1.532
P	0.910	0.913	0.914	0.915	0.915	0.915	0.916

Classes of Bubbles and Inclusions

Bubble Class
0

Color Specification

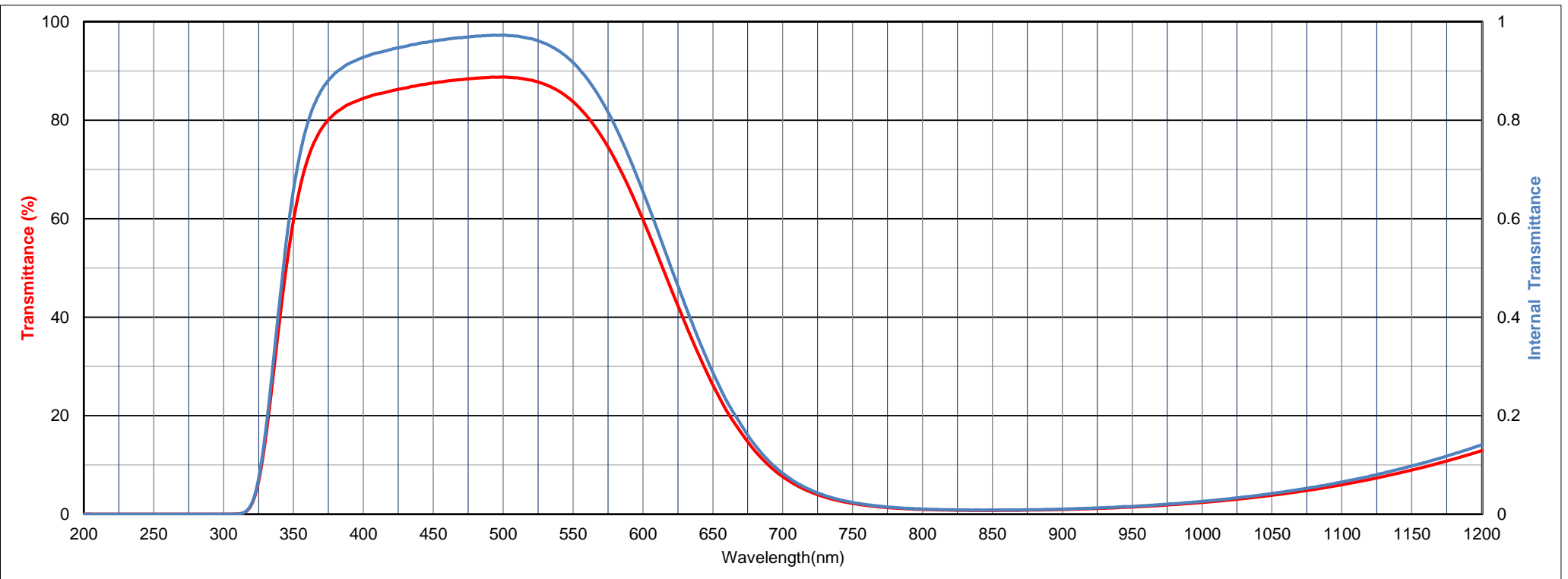
	x	y	Y	λ <sub>d</sub>	P <sub>e</sub>
A	0.385	0.426	70	500	14
C	0.266	0.310	76	489	17
D65	0.268	0.324	76	490	17

Properties

Chemical		Thermal				Mechanical		Others
D <sub>w</sub>	D <sub>A</sub>	T <sub>g</sub>	T <sub>s</sub>	α <sub>-30/70</sub>	α <sub>100/300</sub>	H <sub>K</sub>	F <sub>A</sub>	d
1	4	425	471	117	141	370	490	3.08

Tolerance of Transmittance (T)

Transmittance at 400nm	Transmittance at 500nm	Transmittance at 600nm
T400(%)	T500(%)	T600(%)
≥83	≥87	≥57



All data is mean values of various melts.

Transmittance (T) units: %

λnm	200	210	220	230	240	250	260	270	280	290	300	310	320	330	340	350	360	370	380	390
T	<1E-6	<1E-6	<1E-6	<1E-6	<1E-6	<1E-6	<1E-6	<1E-6	2E-06	5E-05	2E-03	6E-02	1.97	15.29	39.20	59.72	71.92	78.24	81.45	83.27
λnm	400	410	420	430	440	450	460	470	480	490	500	510	520	530	540	550	560	570	580	590
T	84.42	85.31	85.95	86.53	87.11	87.56	87.96	88.24	88.49	88.67	88.75	88.58	88.13	87.26	85.86	83.75	80.78	76.87	72.03	66.29
λnm	600	610	620	630	640	650	660	670	680	690	700	710	720	730	740	750	760	770	780	790
T	59.82	52.96	45.83	38.92	32.32	26.27	20.92	16.66	12.90	9.92	7.61	5.84	4.50	3.49	2.74	2.18	1.78	1.47	1.24	1.08
λnm	800	810	820	830	840	850	860	870	880	890	900	910	920	930	940	950	960	970	980	990
T	0.96	0.87	0.83	0.79	0.77	0.76	0.79	0.80	0.85	0.88	0.96	1.02	1.12	1.20	1.35	1.45	1.61	1.78	1.95	2.16
λnm	1000	1010	1020	1030	1040	1050	1060	1070	1080	1090	1100	1110	1120	1130	1140	1150	1160	1170	1180	1190
T	2.38	2.63	2.89	3.19	3.50	3.85	4.22	4.62	5.03	5.49	5.98	6.51	7.06	7.66	8.30	8.96	9.65	10.40	11.20	12.02
λnm	1200	1210	1220	1230	1240	1250	1260	1270	1280	1290	1300	1310	1320	1330	1340	1350	1360	1370	1380	1390
T	12.90	13.84	14.80	15.82	16.87	17.94	19.15	20.36	21.39	22.40	23.40	24.39	25.36	26.16	27.14	28.17	29.21	30.36	31.53	32.75
λnm	1400	1410	1420	1430	1440	1450	1460	1470	1480	1490	1500	1510	1520	1530	1540	1550	1560	1570	1580	1590
T	33.91	35.08	36.33	37.58	38.82	39.99	41.13	42.34	43.52	44.67	45.75	46.80	47.90	48.96	50.00	50.96	51.89	52.85	53.78	54.68
λnm	1600	1610	1620	1630	1640	1650	1660	1670	1680	1690	1700	1710	1720	1730	1740	1750	1760	1770	1780	1790
T	55.51	56.31	57.13	57.93	58.70	59.39	60.08	60.77	61.44	62.08	62.66	63.22	63.81	64.36	64.89	65.35	65.85	66.32	66.78	67.23
λnm	1800	1810	1820	1830	1840	1850	1860	1870	1880	1890	1900	1910	1920	1930	1940	1950	1960	1970	1980	1990
T	67.60	68.01	68.41	68.79	69.16	69.48	69.81	70.14	70.45	70.75	71.01	71.28	71.55	71.80	72.04	72.25	72.48	72.70	72.91	73.10
λnm	2000	2050	2100	2150	2200	2250	2300	2350	2400	2450	2500	2550	2600	2650	2700	2750	2800	2850	2900	2950
T	73.28	74.01	74.66	75.20	75.56	75.88	76.17	76.41	76.62	76.76	76.82	76.81	76.74	76.74	76.61	76.22	74.68	71.76	68.97	66.81
λnm	3000	3050	3100	3150	3200	3250	3300	3350	3400	3450	3500	3550	3600	3650	3700	3750	3800	3850	3900	3950
T	65.08	63.51	61.97	60.51	59.16	57.95	56.93	56.11	55.52	55.19	55.10	55.32	55.83	56.63	57.62	58.53	58.87	58.10	56.11	53.23
λnm	4000	4050	4100	4150	4200	4250	4300	4350	4400	4450	4500	4550	4600	4650	4700	4750	4800	4850	4900	4950
T	49.24	43.45	36.26	29.26	23.80	20.66	19.15	17.99	16.75	15.36	14.14	13.33	13.26	14.41	16.74	19.75	23.12	26.57	30.03	33.61
λnm	5000																			
T	36.96																			

