

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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	8.3	30.6	52.7	66.2	73.6	77.6	80.2	82.1
λnm	400	410	420	430	440	450	460	470	480	490	500	510	520	530	540	550	560	570	580	590
T	83.5	84.7	85.6	86.4	87.1	87.7	88.2	88.5	88.8	89.0	89.0	88.8	88.2	87.2	85.3	82.5	78.6	73.4	67.0	59.5
λnm	600	610	620	630	640	650	660	670	680	690	700	710	720	730	740	750	760	770	780	790
T	51.3	42.8	34.5	27.0	20.4	14.9	10.5	7.3	4.9	3.2	2.1	1.3	0.8	0.5	0.3	0.2	0.1	0.1	0.1	0.0
λnm	800	810	820	830	840	850	860	870	880	890	900	910	920	930	940	950	960	970	980	990
T	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
λnm	1000	1010	1020	1030	1040	1050	1060	1070	1080	1090	1100	1120	1140	1160	1180	1200				
T	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.3	0.3	0.4	0.5	0.7	0.9	1.2	1.6				

Refractive Index/Absorption coefficient/Reflection coefficient

λnm	400	500	600	700	800	900	1000
n	1.550	1.541	1.536	1.533	1.531	1.530	1.529
K	3.0E-06	1.0E-06	2.6E-05	2.4E-04	6.8E-04	1.0E-03	1.2E-03
P	0.911	0.913	0.915	0.915	0.916	0.916	0.916

Classes of Bubbles and Inclusions

Bubble Class
0

Color Specification

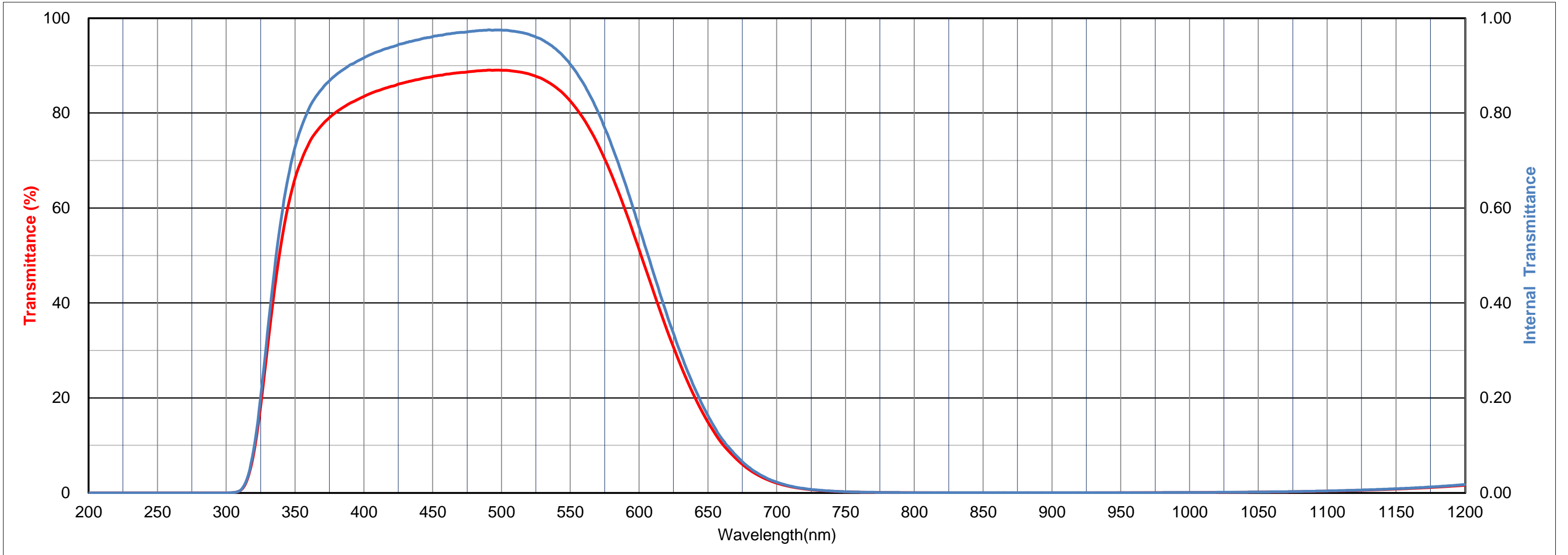
	x	y	Y	λ <sub>d</sub>	P <sub>e</sub>
A	0.364	0.431	66	500	19
C	0.253	0.307	72	489	22
D65	0.255	0.322	73	490	22

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	2	425	470	83	110	420	150	2.59

Tolerance of Transmittance (T)

Transmittance at 400nm	Transmittance at 500nm	Transmittance at 600nm
T400(%)	T500(%)	T600(%)
≥80	≥88	≤55



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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	8.3	30.6	52.7	66.2	73.6	77.6	80.2	82.1
λnm	400	410	420	430	440	450	460	470	480	490	500	510	520	530	540	550	560	570	580	590
T	83.5	84.7	85.6	86.4	87.1	87.7	88.2	88.5	88.8	89.0	89.0	88.8	88.2	87.2	85.3	82.5	78.6	73.4	67.0	59.5
λnm	600	610	620	630	640	650	660	670	680	690	700	710	720	730	740	750	760	770	780	790
T	51.3	42.8	34.5	27.0	20.4	14.9	10.5	7.3	4.9	3.2	2.1	1.3	0.8	0.5	0.3	0.2	0.1	0.1	0.1	0.0
λnm	800	810	820	830	840	850	860	870	880	890	900	910	920	930	940	950	960	970	980	990
T	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
λnm	1000	1010	1020	1030	1040	1050	1060	1070	1080	1090	1100	1110	1120	1130	1140	1150	1160	1170	1180	1190
T	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.3	0.3	0.4	0.4	0.5	0.6	0.7	0.8	0.9	1.1	1.2	1.4
λnm	1200	1210	1220	1230	1240	1250	1260	1270	1280	1290	1300	1310	1320	1330	1340	1350	1360	1370	1380	1390
T	1.6	1.8	2.1	2.4	2.7	3.0	3.5	3.9	4.3	4.8	5.4	6.0	6.9	7.9	8.5	9.6	10.5	11.4	12.3	13.4
λnm	1400	1410	1420	1430	1440	1450	1460	1470	1480	1490	1500	1510	1520	1530	1540	1550	1560	1570	1580	1590
T	14.5	15.5	16.5	17.6	18.7	19.9	21.0	22.2	23.4	24.7	26.0	27.2	28.5	29.8	31.2	32.4	33.7	35.1	36.4	37.7
λnm	1600	1610	1620	1630	1640	1650	1660	1670	1680	1690	1700	1710	1720	1730	1740	1750	1760	1770	1780	1790
T	38.9	40.2	41.5	42.8	44.0	45.2	46.5	47.7	48.8	49.9	51.0	52.1	53.1	54.2	55.2	56.1	57.1	58.0	58.9	59.8
λnm	1800	1810	1820	1830	1840	1850	1860	1870	1880	1890	1900	1910	1920	1930	1940	1950	1960	1970	1980	1990
T	60.6	61.4	62.2	63.0	63.8	64.5	65.2	65.9	66.6	67.3	67.9	68.5	69.0	69.6	70.1	70.6	71.0	71.5	71.9	72.3
λnm	2000	2050	2100	2150	2200	2250	2300	2350	2400	2450	2500	2550	2600	2650	2700	2750	2800	2850	2900	2950
T	72.7	74.5	75.9	76.9	76.6	76.7	77.2	77.8	78.2	78.1	77.2	75.4	73.7	72.4	70.2	63.3	33.7	16.2	10.0	7.1
λnm	3000	3050	3100	3150	3200	3250	3300	3350	3400	3450	3500	3550	3600	3650	3700	3750	3800	3850	3900	3950
T	5.3	4.0	3.1	2.4	2.0	1.6	1.5	1.4	1.4	1.5	1.6	1.9	2.3	2.8	3.2	3.3	3.1	2.6	1.9	1.2
λnm	4000	4050	4100	4150	4200	4250	4300	4350	4400	4450	4500	4550	4600	4650	4700	4750	4800	4850	4900	4950
T	0.7	0.4	0.2	0.2	0.1	0.1	0.1	0.2	0.3	0.4	0.5	0.7	0.9	1.2	1.6	2.0	2.4	2.7	3.0	3.1
λnm	5000																			
T	3.0																			

