

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	0.3	2.9	11.8	29.0	49.6	66.4	77.1	82.7	85.8	87.9	88.6	88.7	87.9
λnm	400	410	420	430	440	450	460	470	480	490	500	510	520	530	540	550	560	570	580	590
T	86.6	85.9	85.2	85.5	86.0	86.0	85.7	86.1	86.6	86.8	86.7	86.5	86.0	85.6	85.8	86.2	86.2	85.9	85.3	84.5
λnm	600	610	620	630	640	650	660	670	680	690	700	710	720	730	740	750	760	770	780	790
T	83.5	82.2	80.5	78.6	76.4	73.9	71.2	68.5	65.2	61.7	58.0	54.1	50.3	46.5	42.7	38.9	35.2	31.5	28.0	24.8
λnm	800	810	820	830	840	850	860	870	880	890	900	910	920	930	940	950	960	970	980	990
T	21.8	19.1	16.8	14.4	12.4	10.6	9.0	7.6	6.5	5.5	4.6	3.9	3.3	2.7	2.3	2.0	1.7	1.5	1.3	1.1
λnm	1000	1010	1020	1030	1040	1050	1060	1070	1080	1090	1100	1120	1140	1160	1180	1200				
T	0.9	0.8	0.7	0.7	0.6	0.5	0.5	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3				

Refractive Index/Absorption coefficient/Reflection coefficient

λnm	400	500	600	700	800	900	1000
n	1.528	1.519	1.515	1.512	1.510	1.509	1.508
K	5.4E-07	6.4E-07	1.4E-06	8.2E-06	3.0E-05	7.0E-05	1.2E-04
P	0.916	0.919	0.920	0.920	0.921	0.921	0.921

Classes of Bubbles and Inclusions

Bubble Class
3

Color Specification

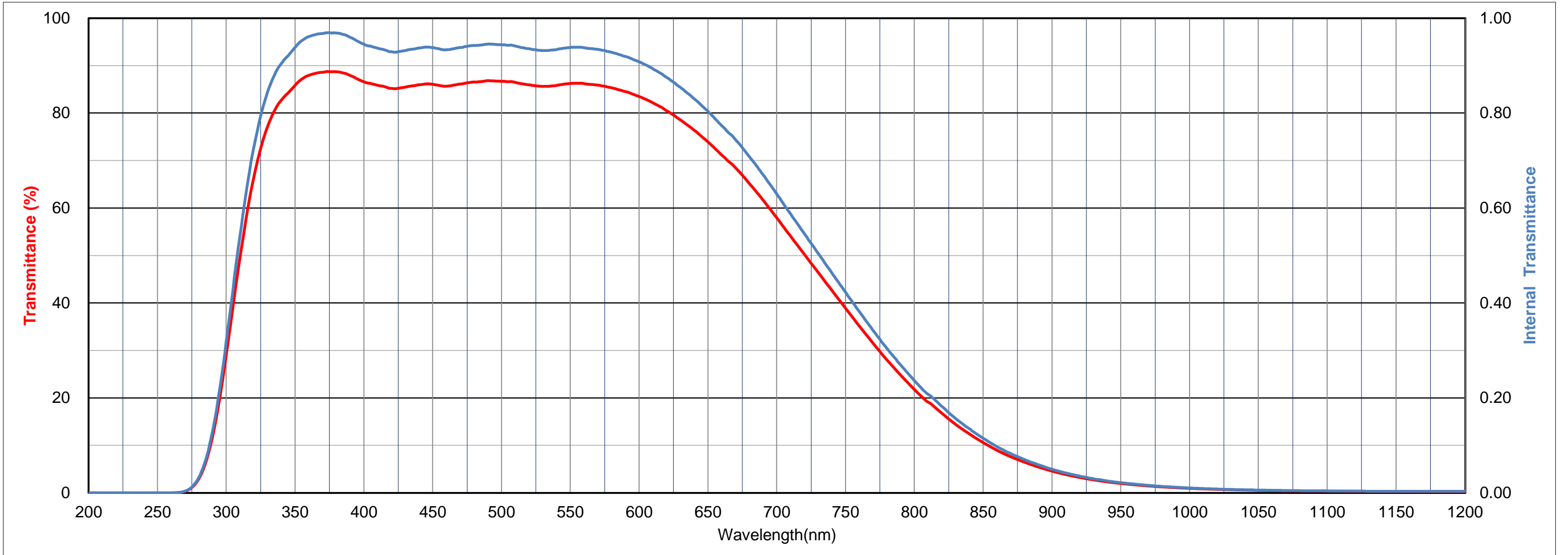
	x	y	Y	λ _d	P _e
A	0.440	0.411	84	502	2
C	0.305	0.316	85	492	2
D65	0.307	0.329	85	493	2

Properties

Chemical		Thermal				Mechanical		Others
D _w	D _A	T _g	T _s	α _{-30/70}	α _{100/300}	H _K	F _A	d
1	-	560	615	-	66	-	-	2.60

Tolerance of Transmittance (T)

Transmittance at 750nm	Transmittance at 1000nm	Average Transmittance at 400nm-700nm
T750(%)	T1000(%)	Tav(%)
<55	<3	80±5



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	0.3	2.9	11.8	29.0	49.6	66.4	77.1	82.7	85.8	87.9	88.6	88.7	87.9
λnm	400	410	420	430	440	450	460	470	480	490	500	510	520	530	540	550	560	570	580	590
T	86.6	85.9	85.2	85.5	86.0	86.0	85.7	86.1	86.6	86.8	86.7	86.5	86.0	85.6	85.8	86.2	86.2	85.9	85.3	84.5
λnm	600	610	620	630	640	650	660	670	680	690	700	710	720	730	740	750	760	770	780	790
T	83.5	82.2	80.5	78.6	76.4	73.9	71.2	68.5	65.2	61.7	58.0	54.1	50.3	46.5	42.7	38.9	35.2	31.5	28.0	24.8
λnm	800	810	820	830	840	850	860	870	880	890	900	910	920	930	940	950	960	970	980	990
T	21.8	19.1	16.8	14.4	12.4	10.6	9.0	7.6	6.5	5.5	4.6	3.9	3.3	2.7	2.3	2.0	1.7	1.5	1.3	1.1
λnm	1000	1010	1020	1030	1040	1050	1060	1070	1080	1090	1100	1110	1120	1130	1140	1150	1160	1170	1180	1190
T	0.9	0.8	0.7	0.7	0.6	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
λnm	1200	1210	1220	1230	1240	1250	1260	1270	1280	1290	1300	1310	1320	1330	1340	1350	1360	1370	1380	1390
T	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.0	0.1	0.3	0.5	0.6	0.7	0.7	0.6	0.4
λnm	1400	1410	1420	1430	1440	1450	1460	1470	1480	1490	1500	1510	1520	1530	1540	1550	1560	1570	1580	1590
T	0.5	0.5	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.7	0.8	0.8	0.9	0.9	0.9	1.0	1.0	1.1	1.1	1.2
λnm	1600	1610	1620	1630	1640	1650	1660	1670	1680	1690	1700	1710	1720	1730	1740	1750	1760	1770	1780	1790
T	1.3	1.4	1.4	1.5	1.5	1.6	1.7	1.8	1.8	1.9	2.0	2.0	2.1	2.1	2.2	2.2	2.2	2.3	2.3	2.3
λnm	1800	1810	1820	1830	1840	1850	1860	1870	1880	1890	1900	1910	1920	1930	1940	1950	1960	1970	1980	1990
T	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.3	2.3	2.3	2.2	2.2	2.2	2.1	2.1	2.1	2.0	2.0	2.0	1.9
λnm	2000	2050	2100	2150	2200	2250	2300	2350	2400	2450	2500	2550	2600	2650	2700	2750	2800	2850	2900	2950
T	1.9	1.7	1.6	1.5	1.4	1.4	1.6	1.8	2.1	2.4	2.6	2.8	2.9	3.1	3.1	1.5	0.0	0.0	0.0	0.0
λnm	3000	3050	3100	3150	3200	3250	3300	3350	3400	3450	3500	3550	3600	3650	3700	3750	3800	3850	3900	3950
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	0.0
λnm	4000	4050	4100	4150	4200	4250	4300	4350	4400	4450	4500	4550	4600	4650	4700	4750	4800	4850	4900	4950
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	0.0
λnm	5000																			
T	0.0																			

