

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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
λnm	400	410	420	430	440	450	460	470	480	490	500	510	520	530	540	550	560	570	580	590
T	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	1.0	3.6	7.9	12.5	14.9	13.9	10.6	6.7	3.6	1.6
λnm	600	610	620	630	640	650	660	670	680	690	700	710	720	730	740	750	760	770	780	790
T	0.7	0.3	0.1	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	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	0.1	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
λnm	1000	1010	1020	1030	1040	1050	1060	1070	1080	1090	1100	1120	1140	1160	1180	1200				
T	0.6	0.7	0.8	0.9	1.1	1.2	1.4	1.6	1.8	2.1	2.3	2.9	3.6	4.4	5.3	6.3				

Refractive Index/Absorption coefficient/Reflection coefficient

λnm	400	500	600	700	800	900	1000
n	1.601	1.585	1.576	1.572	1.569	1.567	1.565
K	1.0E-03	8.1E-05	1.0E-04	2.2E-04	2.1E-04	2.2E-04	1.8E-04
P	0.899	0.903	0.905	0.906	0.907	0.907	0.907

Classes of Bubbles and Inclusions

Bubble Class
3

Color Specification

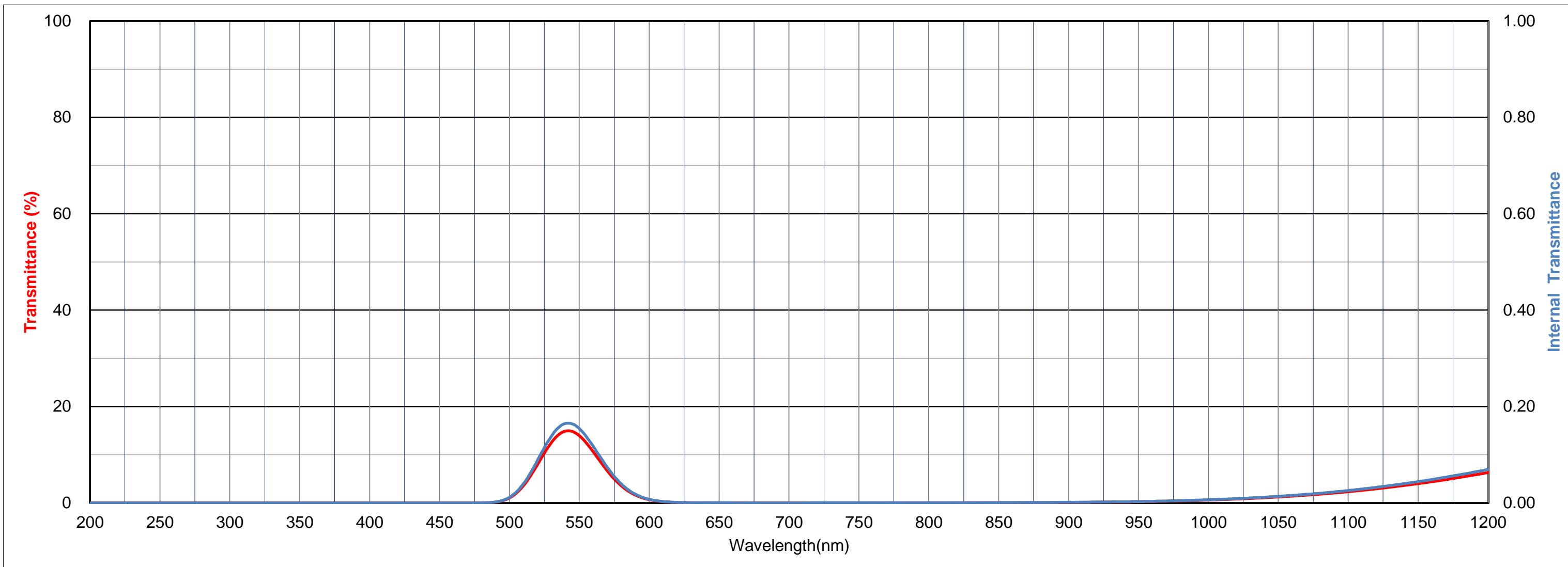
	x	y	Y	λ _d	P _e
A	0.321	0.659	6	551	90
C	0.299	0.675	7	550	95
D65	0.294	0.680	7	549	94

Properties

Chemical		Thermal				Mechanical		Others
D _w	D _A	T _g	T _s	α _{-30/70}	α _{100/300}	H _K	F _A	d
4	1	460	510	92	103	500	130	3.10

Tolerance of Transmittance (T)

Maximum Transmittance	Less than 1% Wavelength at Short wave Side	Less than 5% Wavelength at Long wave Side
Tmax(%)	λs1(nm)	λl5(nm)
13±3	>490	<600



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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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
λnm	400	410	420	430	440	450	460	470	480	490	500	510	520	530	540	550	560	570	580	590
T	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	1.0	3.6	7.9	12.5	14.9	13.9	10.6	6.7	3.6	1.6
λnm	600	610	620	630	640	650	660	670	680	690	700	710	720	730	740	750	760	770	780	790
T	0.7	0.3	0.1	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	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	0.1	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
λnm	1000	1010	1020	1030	1040	1050	1060	1070	1080	1090	1100	1110	1120	1130	1140	1150	1160	1170	1180	1190
T	0.6	0.7	0.8	0.9	1.1	1.2	1.4	1.6	1.8	2.1	2.3	2.6	2.9	3.3	3.6	4.0	4.4	4.8	5.3	5.8
λnm	1200	1210	1220	1230	1240	1250	1260	1270	1280	1290	1300	1310	1320	1330	1340	1350	1360	1370	1380	1390
T	6.3	6.9	7.4	8.0	8.6	9.3	10.0	10.7	11.4	12.1	12.9	13.7	14.5	15.3	16.1	16.9	17.7	18.5	19.3	20.2
λnm	1400	1410	1420	1430	1440	1450	1460	1470	1480	1490	1500	1510	1520	1530	1540	1550	1560	1570	1580	1590
T	21.0	21.9	23.0	24.2	24.8	25.7	26.9	27.9	29.0	29.8	30.8	31.7	32.5	33.8	34.9	35.7	36.6	37.4	38.5	39.3
λnm	1600	1610	1620	1630	1640	1650	1660	1670	1680	1690	1700	1710	1720	1730	1740	1750	1760	1770	1780	1790
T	40.3	41.3	42.1	43.0	43.8	44.7	45.5	46.4	47.1	48.0	48.8	49.6	50.5	51.2	52.0	52.6	53.4	54.0	54.8	55.4
λnm	1800	1810	1820	1830	1840	1850	1860	1870	1880	1890	1900	1910	1920	1930	1940	1950	1960	1970	1980	1990
T	56.1	56.9	57.4	58.2	58.8	59.5	59.9	60.6	61.2	61.8	62.3	63.0	63.4	63.9	64.5	64.9	65.5	65.9	66.4	66.9
λnm	2000	2050	2100	2150	2200	2250	2300	2350	2400	2450	2500	2550	2600	2650	2700	2750	2800	2850	2900	2950
T	67.3	69.6	71.5	73.2	74.4	75.8	77.1	77.7	78.3	79.0	79.7	79.8	80.0	80.4	79.9	72.1	61.8	59.2	58.7	58.4
λnm	3000	3050	3100	3150	3200	3250	3300	3350	3400	3450	3500	3550	3600	3650	3700	3750	3800	3850	3900	3950
T	58.0	57.1	55.6	53.8	51.8	49.8	48.0	46.4	45.2	44.4	44.2	44.3	44.6	44.9	45.2	45.4	45.6	45.7	45.6	45.4
λnm	4000	4050	4100	4150	4200	4250	4300	4350	4400	4450	4500	4550	4600	4650	4700	4750	4800	4850	4900	4950
T	44.8	43.6	41.8	39.3	36.1	31.3	27.5	23.2	17.7	12.1	7.4	3.9	1.8	0.8	0.3	0.1	0.1	0.0	0.0	0.0
λnm	5000																			
T	0.0																			

