

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	0.1	0.6	2.6	6.5	11.2	14.5	14.6	11.7	7.8	4.4	2.1
λnm	600	610	620	630	640	650	660	670	680	690	700	710	720	730	740	750	760	770	780	790
T	0.9	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	0.1	0.2	0.2	0.2	0.3	0.3	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	1.0	1.2	1.4	1.5	1.8	2.0	2.2	2.8	3.5	4.3	5.2	6.1				

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
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

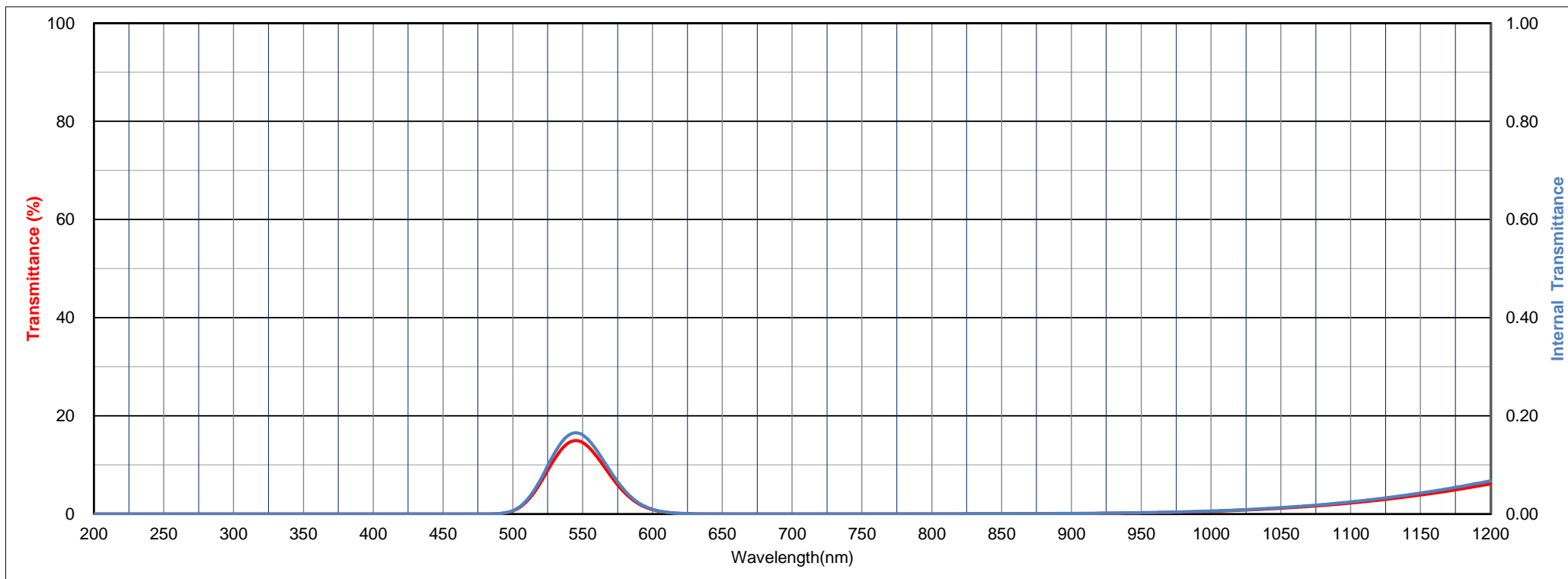
	x	y	Y	λ _d	P _e
A	0.338	0.646	6	554	92
C	0.317	0.663	7	552	96
D65	0.312	0.667	7	551	96

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)
18±3	>470	<580



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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	0.1	0.6	2.6	6.5	11.2	14.5	14.6	11.7	7.8	4.4	2.1
λnm	600	610	620	630	640	650	660	670	680	690	700	710	720	730	740	750	760	770	780	790
T	0.9	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	0.1	0.2	0.2	0.2	0.3	0.3	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	1.0	1.2	1.4	1.5	1.8	2.0	2.2	2.5	2.8	3.2	3.5	3.9	4.3	4.7	5.2	5.6
λnm	1200	1210	1220	1230	1240	1250	1260	1270	1280	1290	1300	1310	1320	1330	1340	1350	1360	1370	1380	1390
T	6.1	6.7	7.3	7.8	8.5	9.1	9.8	10.5	11.2	11.9	12.6	13.4	14.2	15.0	15.9	16.7	17.5	18.3	19.1	19.9
λnm	1400	1410	1420	1430	1440	1450	1460	1470	1480	1490	1500	1510	1520	1530	1540	1550	1560	1570	1580	1590
T	20.7	21.5	22.6	23.5	24.7	25.5	26.5	27.5	28.7	29.6	30.4	31.6	32.6	33.5	34.2	35.2	36.3	37.1	38.2	39.1
λnm	1600	1610	1620	1630	1640	1650	1660	1670	1680	1690	1700	1710	1720	1730	1740	1750	1760	1770	1780	1790
T	40.0	40.8	41.9	42.7	43.6	44.5	45.4	46.0	47.0	47.8	48.5	49.4	50.2	50.9	51.6	52.4	53.3	53.9	54.6	55.2
λnm	1800	1810	1820	1830	1840	1850	1860	1870	1880	1890	1900	1910	1920	1930	1940	1950	1960	1970	1980	1990
T	56.0	56.6	57.3	57.9	58.5	59.2	59.8	60.4	61.0	61.6	62.2	62.7	63.2	63.8	64.3	64.8	65.3	65.8	66.4	66.8
λnm	2000	2050	2100	2150	2200	2250	2300	2350	2400	2450	2500	2550	2600	2650	2700	2750	2800	2850	2900	2950
T	67.3	69.4	71.4	73.1	74.4	75.6	77.0	77.7	78.3	79.0	79.6	79.8	80.0	80.4	80.0	73.1	62.1	59.3	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	55.7	53.9	51.9	49.9	48.1	46.5	45.3	44.4	44.2	44.3	44.6	44.9	45.1	45.4	45.6	45.7	45.7	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	43.7	41.9	39.4	36.3	31.4	27.7	23.5	18.1	12.5	7.6	4.1	1.9	0.8	0.3	0.1	0.1	0.0	0.0	0.0
λnm	5000																			
T	0.0																			

