

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	0.4	4.3	12.4	22.0
λnm	400	410	420	430	440	450	460	470	480	490	500	510	520	530	540	550	560	570	580	590
T	30.9	38.1	43.4	46.3	47.2	45.2	40.1	30.1	18.7	9.9	5.1	2.1	0.7	0.3	0.2	0.4	0.6	0.2	0.0	0.0
λnm	600	610	620	630	640	650	660	670	680	690	700	710	720	730	740	750	760	770	780	790
T	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	1.0	1.9	2.5	2.7	2.7	2.6	2.4	2.4	2.3	2.3	2.3
λnm	800	810	820	830	840	850	860	870	880	890	900	910	920	930	940	950	960	970	980	990
T	2.3	2.3	2.4	2.5	2.5	2.7	2.8	3.0	3.2	3.4	3.6	3.9	4.2	4.5	4.8	5.2	5.6	6.0	6.4	6.8
λnm	1000	1010	1020	1030	1040	1050	1060	1070	1080	1090	1100	1120	1140	1160	1180	1200				
T	7.2	7.6	8.1	8.5	8.8	9.2	9.5	9.7	9.9	10.0	10.1	10.0	9.7	9.2	8.5	7.9				

Refractive Index/Absorption coefficient/Reflection coefficient

λnm	400	500	600	700	800	900	1000
n	1.549	1.539	1.534	1.531	1.529	1.528	1.527
P	0.911	0.914	0.915	0.916	0.916	0.916	0.917

Classes of Bubbles and Inclusions

Bubble Class
3

Color Specification

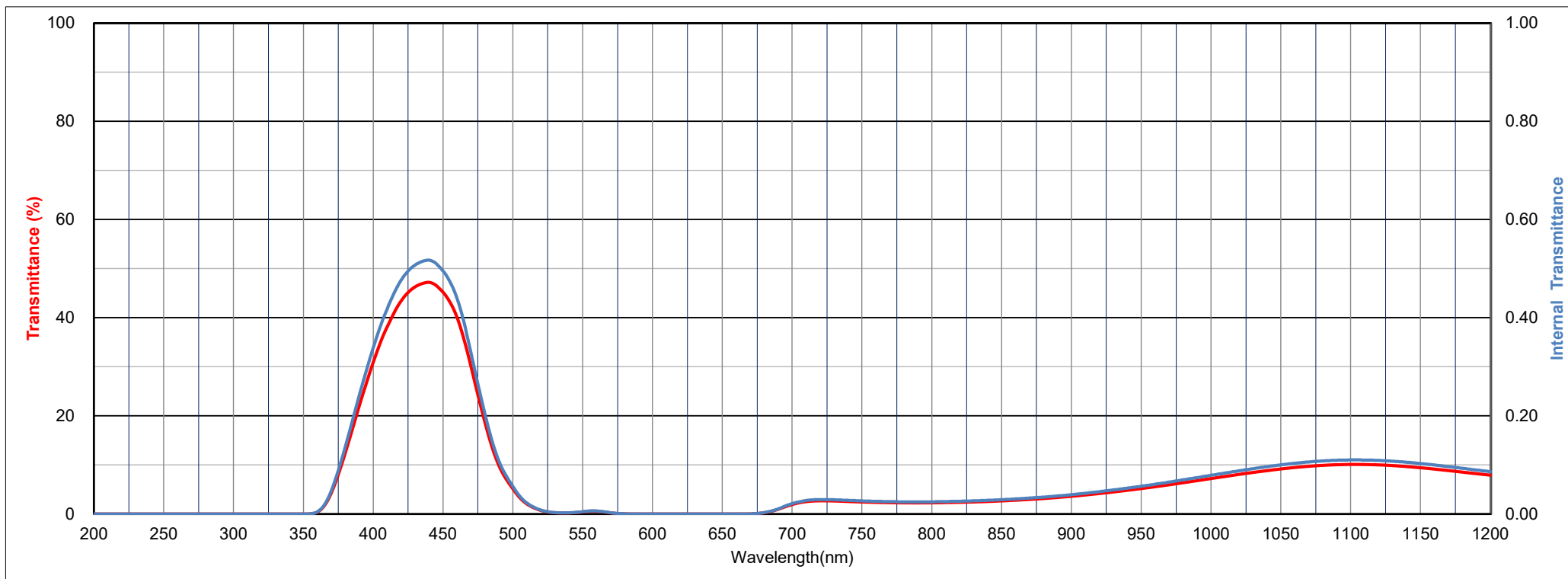
	x	y	Y	λ _d	P _e
A	-	-	-	-	-
C	0.151	0.038	2	459	97
D65	0.150	0.039	2	460	97

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	1	480	535	90	105	530	110	2.70

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)
47±3	>350	<520



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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	0.4	4.3	12.4	22.0
λnm	400	410	420	430	440	450	460	470	480	490	500	510	520	530	540	550	560	570	580	590
T	30.9	38.1	43.4	46.3	47.2	45.2	40.1	30.1	18.7	9.9	5.1	2.1	0.7	0.3	0.2	0.4	0.6	0.2	0.0	0.0
λnm	600	610	620	630	640	650	660	670	680	690	700	710	720	730	740	750	760	770	780	790
T	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	1.0	1.9	2.5	2.7	2.7	2.6	2.4	2.4	2.3	2.3	2.3
λnm	800	810	820	830	840	850	860	870	880	890	900	910	920	930	940	950	960	970	980	990
T	2.3	2.3	2.4	2.5	2.5	2.7	2.8	3.0	3.2	3.4	3.6	3.9	4.2	4.5	4.8	5.2	5.6	6.0	6.4	6.8
λnm	1000	1010	1020	1030	1040	1050	1060	1070	1080	1090	1100	1110	1120	1130	1140	1150	1160	1170	1180	1190
T	7.2	7.6	8.1	8.5	8.8	9.2	9.5	9.7	9.9	10.0	10.1	10.1	10.0	9.9	9.7	9.4	9.2	8.9	8.5	8.2
λnm	1200	1210	1220	1230	1240	1250	1260	1270	1280	1290	1300	1310	1320	1330	1340	1350	1360	1370	1380	1390
T	7.9	7.6	7.4	7.2	7.1	7.0	7.0	7.1	7.2	7.4	7.4	7.7	7.6	8.7	9.4	10.2	10.7	10.9	11.0	11.0
λnm	1400	1410	1420	1430	1440	1450	1460	1470	1480	1490	1500	1510	1520	1530	1540	1550	1560	1570	1580	1590
T	10.9	10.8	10.7	10.4	10.2	10.0	9.8	9.7	9.7	9.8	9.9	10.0	10.3	10.6	11.0	11.5	11.9	12.5	13.0	13.5
λnm	1600	1610	1620	1630	1640	1650	1660	1670	1680	1690	1700	1710	1720	1730	1740	1750	1760	1770	1780	1790
T	14.0	14.5	14.9	15.2	15.4	15.6	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.9	16.1	16.4	16.7	17.2
λnm	1800	1810	1820	1830	1840	1850	1860	1870	1880	1890	1900	1910	1920	1930	1940	1950	1960	1970	1980	1990
T	17.7	18.3	19.0	19.8	20.7	21.7	22.7	23.8	24.9	26.0	27.3	28.5	29.7	30.9	32.0	33.2	34.3	35.4	36.5	37.6
λnm	2000	2050	2100	2150	2200	2250	2300	2350	2400	2450	2500	2550	2600	2650	2700	2750	2800	2850	2900	2950
T	38.6	43.2	47.4	51.2	54.5	57.8	61.0	63.3	64.7	65.3	65.3	65.0	64.1	62.4	59.0	39.1	27.3	26.1	26.4	26.6
λnm	3000	3050	3100	3150	3200	3250	3300	3350	3400	3450	3500	3550	3600	3650	3700	3750	3800	3850	3900	3950
T	26.2	25.1	23.3	21.4	19.4	17.7	16.1	14.8	13.6	12.6	12.0	11.8	11.9	12.1	12.6	13.1	13.8	14.7	15.5	15.9
λnm	4000	4050	4100	4150	4200	4250	4300	4350	4400	4450	4500	4550	4600	4650	4700	4750	4800	4850	4900	4950
T	15.8	15.0	13.6	12.0	10.4	9.0	7.5	5.8	4.1	2.5	1.3	0.5	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
λnm	5000																			
T	0.0																			

