

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	0.3	4.4	17.0	34.2	49.6	60.6	67.9	73.0
λnm	400	410	420	430	440	450	460	470	480	490	500	510	520	530	540	550	560	570	580	590
T	76.6	79.1	81.1	82.4	83.5	84.2	84.6	84.3	83.6	81.9	79.3	75.3	70.1	63.7	56.7	49.2	41.8	34.7	28.3	22.7
λnm	600	610	620	630	640	650	660	670	680	690	700	710	720	730	740	750	760	770	780	790
T	18.0	14.1	11.0	8.6	6.7	5.2	4.1	3.4	2.7	2.3	1.9	1.7	1.5	1.3	1.2	1.1	1.1	1.1	1.0	1.0
λnm	800	810	820	830	840	850	860	870	880	890	900	910	920	930	940	950	960	970	980	990
T	1.0	1.1	1.1	1.1	1.2	1.2	1.3	1.4	1.5	1.7	1.8	2.0	2.2	2.4	2.6	2.8	3.1	3.4	3.8	4.1
λnm	1000	1010	1020	1030	1040	1050	1060	1070	1080	1090	1100	1120	1140	1160	1180	1200				
T	4.5	4.9	5.3	5.8	6.2	6.7	7.3	7.8	8.4	9.0	9.6	11.0	12.4	13.8	15.4	17.1				

Refractive Index/Absorption coefficient/Reflection coefficient

λnm	400	500	600	700	800	900	1000
n	1.543	1.533	1.527	1.523	1.521	1.520	1.519
P	0.913	0.915	0.917	0.918	0.918	0.918	0.919

Classes of Bubbles and Inclusions

Bubble Class
3

Color Specification

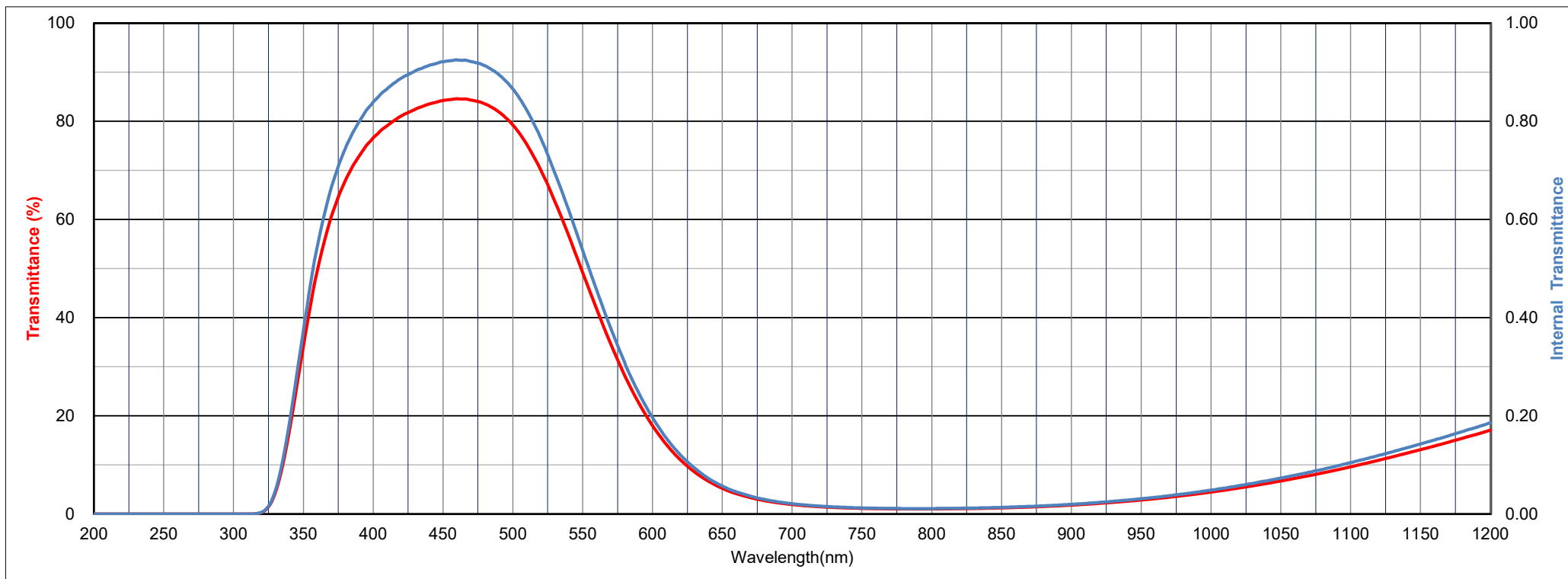
	x	y	Y	λ _d	P _e
A	0.282	0.399	37	494	39
C	0.199	0.251	45	484	47
D65	0.200	0.267	45	485	46

Properties

Chemical		Thermal				Mechanical		Others
D _w	D _A	T _g	T _s	α _{-30/70}	α _{100/300}	H _K	F _A	d
2	1	505	555	94	109	540	110	2.60

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)
85±3	>320	<700



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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	0.3	4.4	17.0	34.2	49.6	60.6	67.9	73.0
λnm	400	410	420	430	440	450	460	470	480	490	500	510	520	530	540	550	560	570	580	590
T	76.6	79.1	81.1	82.4	83.5	84.2	84.6	84.3	83.6	81.9	79.3	75.3	70.1	63.7	56.7	49.2	41.8	34.7	28.3	22.7
λnm	600	610	620	630	640	650	660	670	680	690	700	710	720	730	740	750	760	770	780	790
T	18.0	14.1	11.0	8.6	6.7	5.2	4.1	3.4	2.7	2.3	1.9	1.7	1.5	1.3	1.2	1.1	1.1	1.1	1.0	1.0
λnm	800	810	820	830	840	850	860	870	880	890	900	910	920	930	940	950	960	970	980	990
T	1.0	1.1	1.1	1.1	1.2	1.2	1.3	1.4	1.5	1.7	1.8	2.0	2.2	2.4	2.6	2.8	3.1	3.4	3.8	4.1
λnm	1000	1010	1020	1030	1040	1050	1060	1070	1080	1090	1100	1110	1120	1130	1140	1150	1160	1170	1180	1190
T	4.5	4.9	5.3	5.8	6.2	6.7	7.3	7.8	8.4	9.0	9.6	10.3	11.0	11.7	12.4	13.1	13.8	14.6	15.4	16.2
λnm	1200	1210	1220	1230	1240	1250	1260	1270	1280	1290	1300	1310	1320	1330	1340	1350	1360	1370	1380	1390
T	17.1	17.9	18.8	19.7	20.5	21.4	22.4	23.3	24.1	25.0	25.7	26.7	27.9	28.6	29.5	30.6	31.6	32.8	33.7	34.3
λnm	1400	1410	1420	1430	1440	1450	1460	1470	1480	1490	1500	1510	1520	1530	1540	1550	1560	1570	1580	1590
T	35.3	36.4	37.2	38.2	38.8	40.0	40.7	41.6	42.2	43.1	44.2	44.9	45.6	46.4	47.3	48.0	48.8	49.5	50.3	51.1
λnm	1600	1610	1620	1630	1640	1650	1660	1670	1680	1690	1700	1710	1720	1730	1740	1750	1760	1770	1780	1790
T	51.8	52.4	53.1	53.8	54.5	55.0	55.8	56.4	57.1	57.5	58.1	58.7	59.3	59.9	60.4	61.0	61.5	61.9	62.4	62.9
λnm	1800	1810	1820	1830	1840	1850	1860	1870	1880	1890	1900	1910	1920	1930	1940	1950	1960	1970	1980	1990
T	63.5	63.9	64.5	64.9	65.3	65.7	66.1	66.7	66.9	67.3	67.8	68.2	68.6	68.9	69.3	69.6	69.9	70.3	70.6	70.8
λnm	2000	2050	2100	2150	2200	2250	2300	2350	2400	2450	2500	2550	2600	2650	2700	2750	2800	2850	2900	2950
T	71.2	72.7	73.9	74.9	75.4	76.3	77.2	77.2	77.2	77.4	77.7	77.9	78.1	77.8	75.9	53.0	38.9	37.2	37.4	37.7
λnm	3000	3050	3100	3150	3200	3250	3300	3350	3400	3450	3500	3550	3600	3650	3700	3750	3800	3850	3900	3950
T	37.6	36.7	35.0	32.8	30.3	27.8	25.4	23.2	21.2	19.7	18.8	18.5	18.6	18.8	19.0	19.6	20.2	21.3	21.9	22.0
λnm	4000	4050	4100	4150	4200	4250	4300	4350	4400	4450	4500	4550	4600	4650	4700	4750	4800	4850	4900	4950
T	21.5	20.2	18.3	16.2	14.2	12.4	10.2	7.8	5.3	3.1	1.5	0.6	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0
λnm	5000																			
T	0.0																			

