

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	0.4	5.2	19.6	38.9	55.7	67.3	74.4	78.6	81.2
λnm	400	410	420	430	440	450	460	470	480	490	500	510	520	530	540	550	560	570	580	590
T	82.9	84.1	84.9	85.7	86.2	86.8	87.3	87.7	88.0	88.3	88.4	88.4	88.1	87.4	86.1	84.2	81.4	77.6	72.8	67.1
λnm	600	610	620	630	640	650	660	670	680	690	700	710	720	730	740	750	760	770	780	790
T	60.7	53.9	46.9	40.3	34.1	28.3	23.1	18.9	15.2	12.2	9.7	7.7	6.2	5.0	4.1	3.4	2.8	2.4	2.0	1.8
λnm	800	810	820	830	840	850	860	870	880	890	900	910	920	930	940	950	960	970	980	990
T	1.6	1.4	1.3	1.2	1.1	1.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.1	1.1	1.2	1.3	1.4	1.5
λnm	1000	1010	1020	1030	1040	1050	1060	1070	1080	1090	1100	1120	1140	1160	1180	1200				
T	1.6	1.7	1.9	2.1	2.3	2.5	2.7	2.9	3.2	3.5	3.8	4.5	5.3	6.2	7.1	8.2				

Refractive Index/Absorption coefficient/Reflection coefficient

λnm	400	500	600	700	800	900	1000
n	1.528	1.519	1.514	1.511	1.509	1.508	1.507
K	3.7E-06	1.6E-06	2.0E-05	1.2E-04	2.6E-04	3.3E-04	3.1E-04
P	0.916	0.919	0.920	0.920	0.921	0.921	0.921

Classes of Bubbles and Inclusions

Bubble Class
0

Color Specification

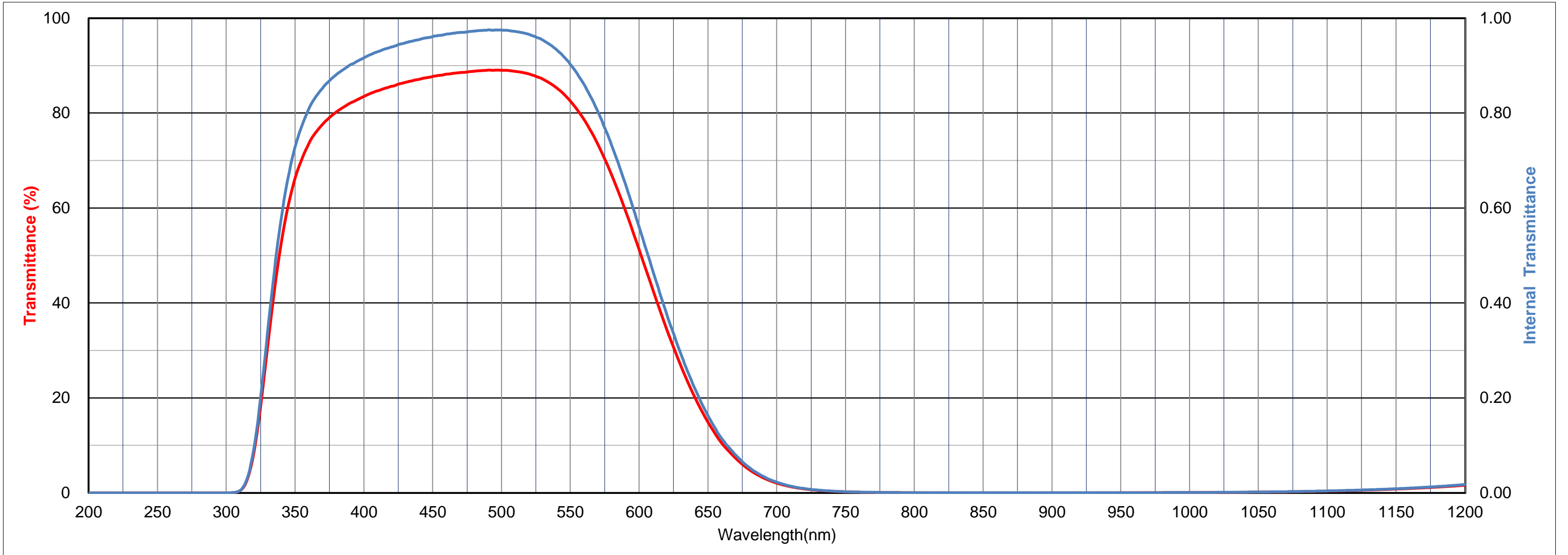
	x	y	Y	λ _d	P _e
A	0.388	0.426	71	500	14
C	0.268	0.311	76	490	16
D65	0.270	0.326	76	491	16

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	615	675	54	70	485	120	2.54

Tolerance of Transmittance (T)

Transmittance at 400nm	Transmittance at 500nm	Transmittance at 600nm
T400(%)	T500(%)	T600(%)
≥80	≥88	≥58



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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	0.4	5.2	19.6	38.9	55.7	67.3	74.4	78.6	81.2
λnm	400	410	420	430	440	450	460	470	480	490	500	510	520	530	540	550	560	570	580	590
T	82.9	84.1	84.9	85.7	86.2	86.8	87.3	87.7	88.0	88.3	88.4	88.4	88.1	87.4	86.1	84.2	81.4	77.6	72.8	67.1
λnm	600	610	620	630	640	650	660	670	680	690	700	710	720	730	740	750	760	770	780	790
T	60.7	53.9	46.9	40.3	34.1	28.3	23.1	18.9	15.2	12.2	9.7	7.7	6.2	5.0	4.1	3.4	2.8	2.4	2.0	1.8
λnm	800	810	820	830	840	850	860	870	880	890	900	910	920	930	940	950	960	970	980	990
T	1.6	1.4	1.3	1.2	1.1	1.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.1	1.1	1.2	1.3	1.4	1.5
λnm	1000	1010	1020	1030	1040	1050	1060	1070	1080	1090	1100	1110	1120	1130	1140	1150	1160	1170	1180	1190
T	1.6	1.7	1.9	2.1	2.3	2.5	2.7	2.9	3.2	3.5	3.8	4.2	4.5	4.9	5.3	5.7	6.2	6.6	7.1	7.7
λnm	1200	1210	1220	1230	1240	1250	1260	1270	1280	1290	1300	1310	1320	1330	1340	1350	1360	1370	1380	1390
T	8.2	8.8	9.4	10.0	10.7	11.3	12.1	12.8	13.6	14.3	15.1	16.9	18.7	20.4	21.8	23.2	24.3	25.4	26.3	27.5
λnm	1400	1410	1420	1430	1440	1450	1460	1470	1480	1490	1500	1510	1520	1530	1540	1550	1560	1570	1580	1590
T	28.5	29.5	30.4	31.4	32.4	33.3	34.3	35.2	36.2	37.2	38.3	39.3	40.3	41.3	42.4	43.3	44.3	45.4	46.3	47.3
λnm	1600	1610	1620	1630	1640	1650	1660	1670	1680	1690	1700	1710	1720	1730	1740	1750	1760	1770	1780	1790
T	48.3	49.2	50.2	51.2	52.1	53.0	54.0	54.9	55.7	56.6	57.5	58.3	59.1	60.0	60.7	61.5	62.3	63.0	63.8	64.5
λnm	1800	1810	1820	1830	1840	1850	1860	1870	1880	1890	1900	1910	1920	1930	1940	1950	1960	1970	1980	1990
T	65.2	65.9	66.5	67.2	67.9	68.6	69.2	69.8	70.4	71.0	71.6	72.1	72.7	73.2	73.7	74.2	74.6	75.1	75.5	76.0
λnm	2000	2050	2100	2150	2200	2250	2300	2350	2400	2450	2500	2550	2600	2650	2700	2750	2800	2850	2900	2950
T	76.4	78.3	80.0	81.4	81.9	82.8	84.0	85.1	85.9	86.5	86.5	85.9	85.2	84.8	83.8	77.2	49.4	35.9	30.8	28.3
λnm	3000	3050	3100	3150	3200	3250	3300	3350	3400	3450	3500	3550	3600	3650	3700	3750	3800	3850	3900	3950
T	27.1	26.6	26.5	26.7	27.1	27.6	28.2	29.1	30.0	31.0	32.0	33.0	33.5	32.1	28.0	21.6	15.9	9.9	5.6	3.5
λnm	4000	4050	4100	4150	4200	4250	4300	4350	4400	4450	4500	4550	4600	4650	4700	4750	4800	4850	4900	4950
T	2.4	1.7	1.4	1.3	1.3	1.7	2.3	3.0	4.0	5.1	6.4	7.6	8.7	9.5	10.2	10.9	11.5	11.6	10.9	9.2
λnm	5000																			
T	6.8																			

