

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	2.9	18.1	39.3	56.9	68.5	75.9	80.4	81.7	81.7	79.5
λnm	400	410	420	430	440	450	460	470	480	490	500	510	520	530	540	550	560	570	580	590
T	71.5	61.0	49.1	35.3	23.2	12.7	5.2	1.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	0.0	0.0	1.9	15.5	41.5	64.5	77.9	84.1	86.6	87.4	87.4	87.2
λnm	800	810	820	830	840	850	860	870	880	890	900	910	920	930	940	950	960	970	980	990
T	86.7	86.2	85.8	85.2	84.5	83.8	82.9	82.0	81.1	80.0	78.8	77.6	76.1	74.5	72.7	70.7	68.4	65.8	62.7	59.4
λnm	1000	1010	1020	1030	1040	1050	1060	1070	1080	1090	1100	1120	1140	1160	1180	1200				
T	55.7	51.6	47.2	42.5	37.7	32.9	28.2	23.6	19.5	15.7	12.3	7.2	3.9	2.1	1.1	0.6				

Refractive Index/Absorption coefficient/Reflection coefficient

λnm	400	500	600	700	800	900	1000
n	1.541	1.533	1.528	1.526	1.524	1.522	1.521
K	3.2E-06	1.1E-04	1.7E-04	8.4E-05	8.3E-07	4.0E-06	1.3E-05
P	0.913	0.915	0.916	0.917	0.917	0.918	0.918

Classes of Bubbles and Inclusions

Bubble Class
3

Color Specification

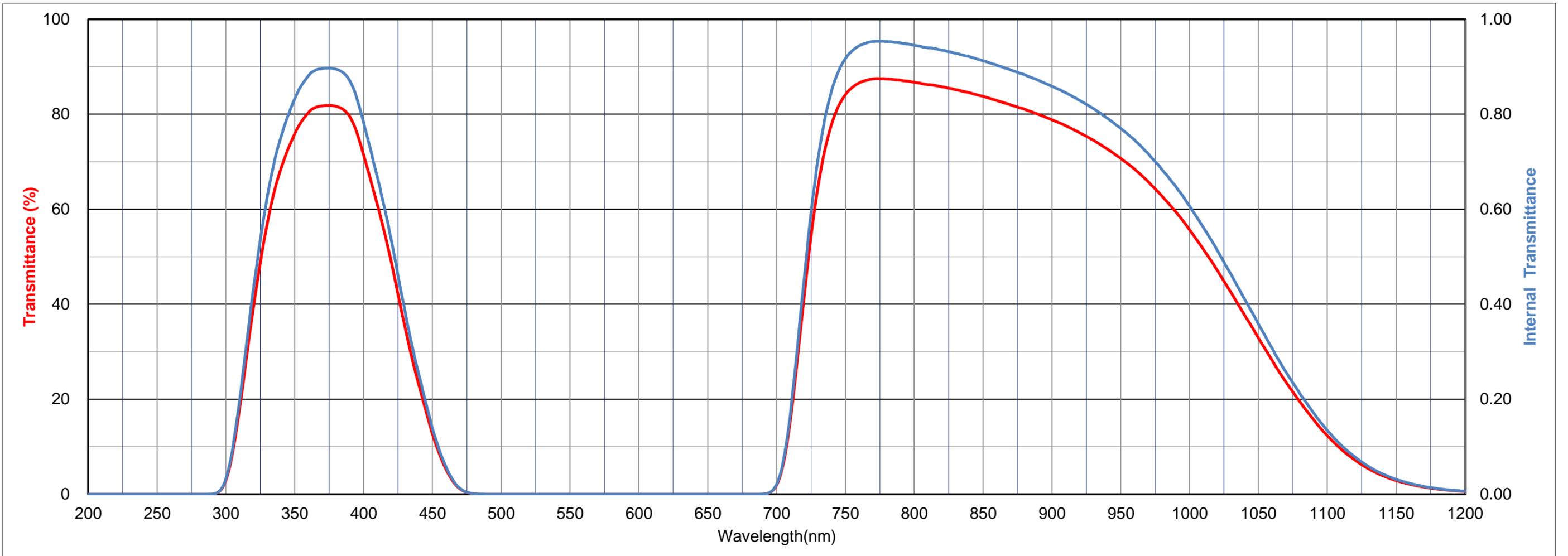
	x	y	Y	λ <sub>d</sub>	P <sub>e</sub>
A	—	—	—	—	—
C	—	—	—	—	—
D65	—	—	—	—	—

Properties

Chemical		Thermal				Mechanical		Others
D <sub>w</sub>	D <sub>A</sub>	T <sub>g</sub>	T <sub>s</sub>	α <sub>-30/70</sub>	α <sub>100/300</sub>	H <sub>K</sub>	F <sub>A</sub>	d
2	1	515	565	-	102	540	110	2.62

Tolerance of Transmittance (T)

Maximum Transmittance	Less than 1% Wavelength at Short wave Side	Less than 5% Wavelength at Long wave Side
T <sub>max</sub> (%)	λs1(nm)	λl5(nm)
82±3	>290	<480



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	2.9	18.1	39.3	56.9	68.5	75.9	80.4	81.7	81.7	79.5	
λnm	400	410	420	430	440	450	460	470	480	490	500	510	520	530	540	550	560	570	580	590	
T	71.5	61.0	49.1	35.3	23.2	12.7	5.2	1.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	0.0	0.0	1.9	15.5	41.5	64.5	77.9	84.1	86.6	87.4	87.4	87.2	
λnm	800	810	820	830	840	850	860	870	880	890	900	910	920	930	940	950	960	970	980	990	
T	86.7	86.2	85.8	85.2	84.5	83.8	82.9	82.0	81.1	80.0	78.8	77.6	76.1	74.5	72.7	70.7	68.4	65.8	62.7	59.4	
λnm	1000	1010	1020	1030	1040	1050	1060	1070	1080	1090	1100	1110	1120	1130	1140	1150	1160	1170	1180	1190	
T	55.7	51.6	47.2	42.5	37.7	32.9	28.2	23.6	19.5	15.7	12.3	9.5	7.2	5.4	3.9	2.9	2.1	1.5	1.1	0.8	
λnm	1200	1210	1220	1230	1240	1250	1260	1270	1280	1290	1300	1310	1320	1330	1340	1350	1360	1370	1380	1390	
T	0.6	0.4	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.1	0.1	0.1	0.2	0.0	0.2	0.4	
λnm	1400	1410	1420	1430	1440	1450	1460	1470	1480	1490	1500	1510	1520	1530	1540	1550	1560	1570	1580	1590	
T	0.4	0.4	0.5	0.5	0.6	0.8	0.8	0.9	0.9	1.0	1.0	1.0	1.1	1.1	1.2	1.2	1.1	1.1	1.1	1.0	
λnm	1600	1610	1620	1630	1640	1650	1660	1670	1680	1690	1700	1710	1720	1730	1740	1750	1760	1770	1780	1790	
T	1.0	0.9	0.9	0.9	0.8	0.8	0.8	0.7	0.7	0.6	0.6	0.6	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.3	
λnm	1800	1810	1820	1830	1840	1850	1860	1870	1880	1890	1900	1910	1920	1930	1940	1950	1960	1970	1980	1990	
T	0.3	0.1	0.0	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.8	1.0	1.2	1.4	1.7	1.9	2.2	2.5	2.9	3.2	
λnm	2000	2050	2100	2150	2200	2250	2300	2350	2400	2450	2500	2550	2600	2650	2700	2750	2800	2850	2900	2950	
T	3.6	5.5	8.0	11.0	14.6	18.8	23.2	27.1	30.1	32.0	33.0	33.3	33.2	32.8	31.6	19.4	14.0	14.3	15.1	15.7	
λnm	3000	3050	3100	3150	3200	3250	3300	3350	3400	3450	3500	3550	3600	3650	3700	3750	3800	3850	3900	3950	
T	16.2	16.5	16.5	16.3	15.9	15.5	15.0	14.4	13.6	13.1	12.8	12.8	13.1	13.1	13.4	14.1	14.9	15.9	16.2	16.0	
λnm	4000	4050	4100	4150	4200	4250	4300	4350	4400	4450	4500	4550	4600	4650	4700	4750	4800	4850	4900	4950	
T	15.4	14.6	13.6	12.3	10.9	9.2	7.3	5.3	3.4	1.9	0.9	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
λnm	5000																				
T	0.0																				

