

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	0.1	2.8	16.1	37.3	56.6	69.6	76.8	80.1	78.6	68.3	41.2
λnm	400	410	420	430	440	450	460	470	480	490	500	510	520	530	540	550	560	570	580	590
T	10.4	0.7	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	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	0.2	2.5	10.7	21.3	31.1	39.9	40.8	33.6	26.1	24.3	23.5
λnm	800	810	820	830	840	850	860	870	880	890	900	910	920	930	940	950	960	970	980	990
T	20.9	17.8	15.1	12.9	11.2	9.9	9.0	8.3	7.8	7.4	7.1	6.8	6.6	6.4	6.2	6.0	5.8	5.6	5.3	5.0
λnm	1000	1010	1020	1030	1040	1050	1060	1070	1080	1090	1100	1120	1140	1160	1180	1200				
T	4.7	4.3	3.9	3.5	3.2	2.8	2.5	2.2	1.9	1.7	1.5	1.2	1.0	0.9	0.7	0.7				

Refractive Index/Absorption coefficient/Reflection coefficient

λnm	400	500	600	700	800	900	1000
n	1.550	1.539	1.532	1.529	1.526	1.525	1.524
K	2.1E-05	6.0E-04	1.7E-04	6.4E-05	2.9E-05	5.8E-05	6.6E-05
P	0.911	0.914	0.915	0.916	0.917	0.917	0.917

Classes of Bubbles and Inclusions

Bubble Class
3

Color Specification

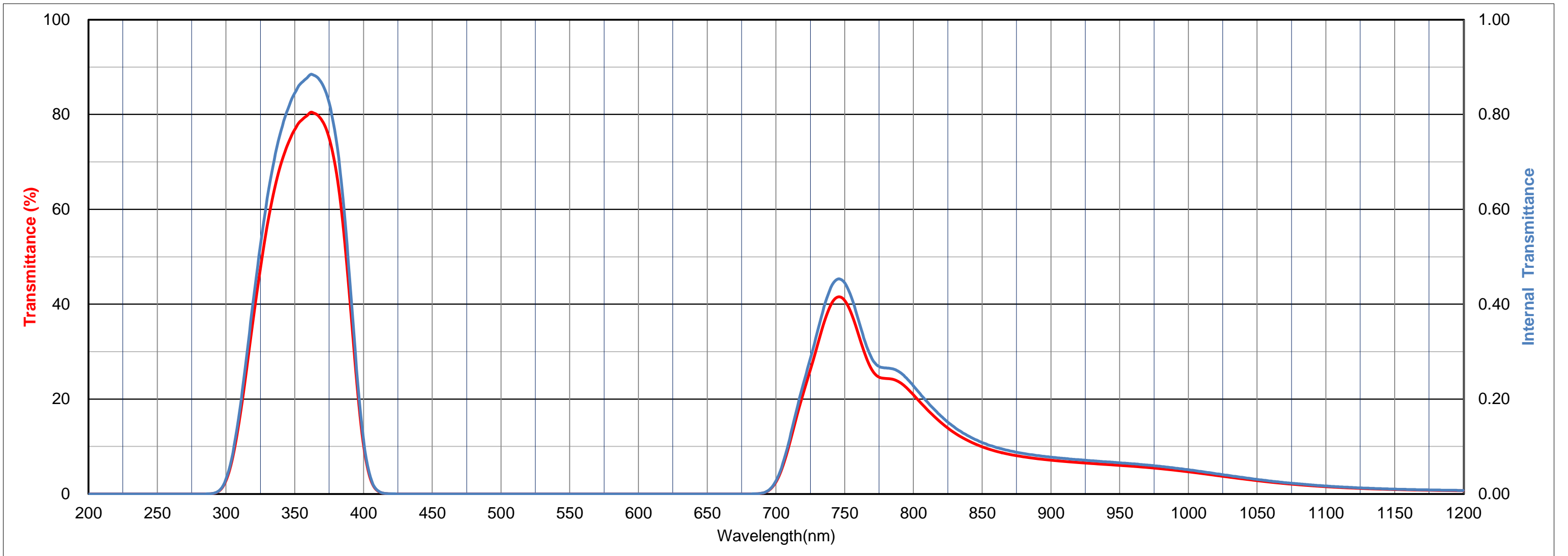
	x	y	Y	λ _d	P _e
A	-	-	-	-	-
C	-	-	-	-	-
D65	-	-	-	-	-

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	527	687	-	88	490	100	2.61

Tolerance of Transmittance (T)

Transmittance at 365nm	Transmittance at 405nm	Transmittance at 694nm	Transmittance at 750nm
T365(%)	T405(%)	T694(%)	T750(%)
≥73%	≤7%	≤3%	≤45%



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	0.1	2.8	16.1	37.3	56.6	69.6	76.8	80.1	78.6	68.3	41.2	
λnm	400	410	420	430	440	450	460	470	480	490	500	510	520	530	540	550	560	570	580	590	
T	10.4	0.7	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	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	0.2	2.5	10.7	21.3	31.1	39.9	40.8	33.6	26.1	24.3	23.5	
λnm	800	810	820	830	840	850	860	870	880	890	900	910	920	930	940	950	960	970	980	990	
T	20.9	17.8	15.1	12.9	11.2	9.9	9.0	8.3	7.8	7.4	7.1	6.8	6.6	6.4	6.2	6.0	5.8	5.6	5.3	5.0	
λnm	1000	1010	1020	1030	1040	1050	1060	1070	1080	1090	1100	1110	1120	1130	1140	1150	1160	1170	1180	1190	
T	4.7	4.3	3.9	3.5	3.2	2.8	2.5	2.2	1.9	1.7	1.5	1.4	1.2	1.1	1.0	0.9	0.9	0.8	0.7	0.7	
λnm	1200	1210	1220	1230	1240	1250	1260	1270	1280	1290	1300	1310	1320	1330	1340	1350	1360	1370	1380	1390	
T	0.7	0.6	0.6	0.6	0.6	0.6	0.6	0.7	0.7	0.8	0.8	0.9	1.0	1.0	1.1	1.2	1.2	1.3	1.3	1.2	
λnm	1400	1410	1420	1430	1440	1450	1460	1470	1480	1490	1500	1510	1520	1530	1540	1550	1560	1570	1580	1590	
T	1.2	1.1	1.0	1.0	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.0	1.0	1.0	1.0	1.1	1.1	1.1	1.1	
λnm	1600	1610	1620	1630	1640	1650	1660	1670	1680	1690	1700	1710	1720	1730	1740	1750	1760	1770	1780	1790	
T	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	
λnm	1800	1810	1820	1830	1840	1850	1860	1870	1880	1890	1900	1910	1920	1930	1940	1950	1960	1970	1980	1990	
T	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.2	1.2	1.2	1.2	
λnm	2000	2050	2100	2150	2200	2250	2300	2350	2400	2450	2500	2550	2600	2650	2700	2750	2800	2850	2900	2950	
T	1.2	1.4	1.6	1.8	2.0	2.5	3.1	3.8	4.6	5.2	5.9	6.5	7.2	7.8	8.1	5.5	4.2	4.4	5.0	5.7	
λnm	3000	3050	3100	3150	3200	3250	3300	3350	3400	3450	3500	3550	3600	3650	3700	3750	3800	3850	3900	3950	
T	6.4	7.0	7.4	7.7	7.8	7.9	7.9	7.9	7.9	8.0	8.1	8.3	8.6	9.0	9.5	10.0	10.5	11.2	11.8	12.3	
λnm	4000	4050	4100	4150	4200	4250	4300	4350	4400	4450	4500	4550	4600	4650	4700	4750	4800	4850	4900	4950	
T	12.4	12.1	11.3	10.0	8.5	7.0	5.4	3.8	2.4	1.3	0.6	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
λnm	5000																				
T	0.0																				

