

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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.14	0.23	1.00
λnm	400	410	420	430	440	450	460	470	480	490	500	510	520	530	540	550	560	570	580	590
T	1.99	2.37	2.56	2.90	3.00	3.45	4.08	4.33	4.29	4.21	4.19	4.22	4.25	4.32	4.53	4.85	5.16	5.22	5.00	4.71
λnm	600	610	620	630	640	650	660	670	680	690	700	710	720	730	740	750	760	770	780	790
T	4.72	4.97	5.31	5.56	5.73	5.91	6.24	6.76	7.68	8.84	10.01	10.96	11.61	11.97	12.14	12.19	12.14	12.05	11.93	11.79
λnm	800	810	820	830	840	850	860	870	880	890	900	910	920	930	940	950	960	970	980	990
T	11.67	11.56	11.44	11.34	11.26	11.17	11.08	11.01	10.91	10.81	10.71	10.61	10.49	10.36	10.23	10.10	9.96	9.83	9.69	9.56
λnm	1000	1010	1020	1030	1040	1050	1060	1070	1080	1090	1100	1120	1140	1160	1180	1200				
T	9.43	9.30	9.18	9.07	8.96	8.86	8.77	8.69	8.61	8.54	8.49	8.41	8.37	8.38	8.45	8.58				

Refractive Index/Absorption coefficient/Reflection coefficient

λnm	400	500	600	700	800	900	1000
n	1.558	1.540	1.531	1.526	1.522	1.520	1.518
P	0.909	0.913	0.916	0.917	0.918	0.918	0.919

Classes of Bubbles and Inclusions

Bubble Class
3

Color Specification

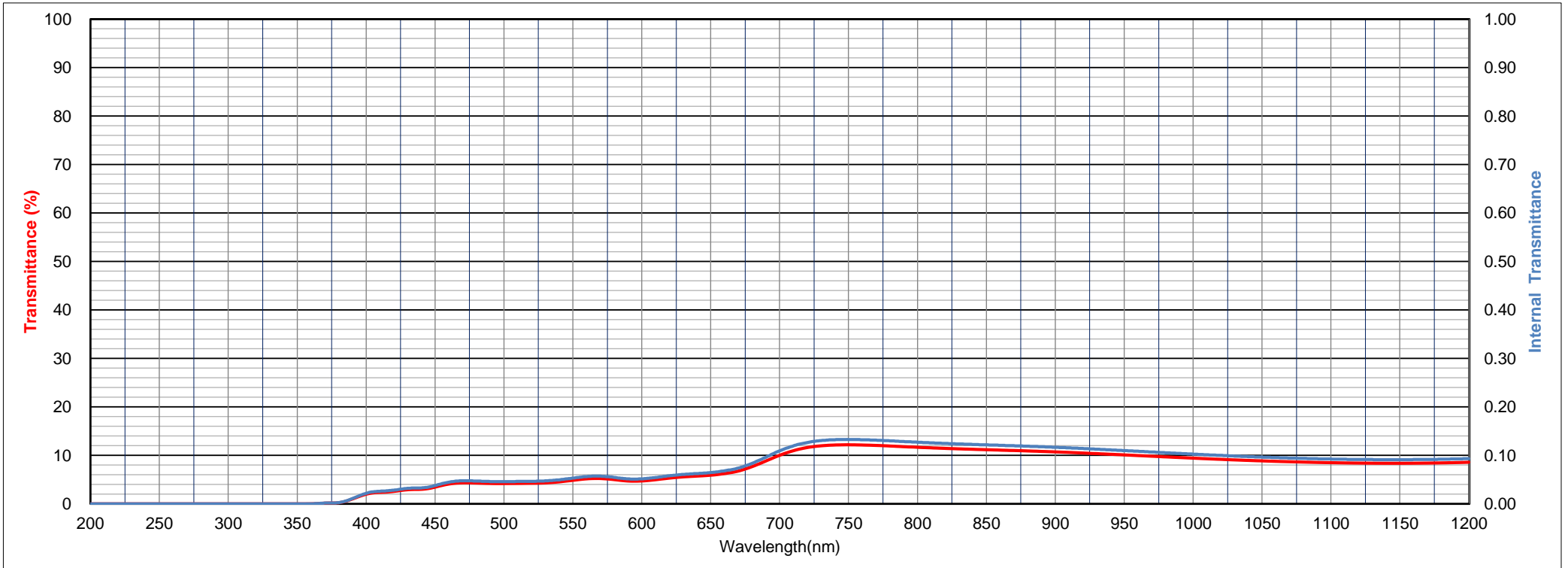
	x	y	Y	λ _d	P _e
A	0.474	0.414	5	588	23
C	0.342	0.348	5	578	17
D65	0.344	0.359	5	577	17

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	542	622	-	76	-	-	2.47

Tolerance of Transmittance (T)

Average Transmittance at 400nm-700nm	
Tav(%)	OD
4.9±2	1.3±0.2



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	0.0	0.1	0.2	1.0
λnm	400	410	420	430	440	450	460	470	480	490	500	510	520	530	540	550	560	570	580	590
T	2.0	2.4	2.6	2.9	3.0	3.4	4.1	4.3	4.3	4.2	4.2	4.2	4.3	4.3	4.5	4.9	5.2	5.2	5.0	4.7
λnm	600	610	620	630	640	650	660	670	680	690	700	710	720	730	740	750	760	770	780	790
T	4.7	5.0	5.3	5.6	5.7	5.9	6.2	6.8	7.7	8.8	10.0	11.0	11.6	12.0	12.1	12.2	12.1	12.1	11.9	11.8
λnm	800	810	820	830	840	850	860	870	880	890	900	910	920	930	940	950	960	970	980	990
T	11.7	11.6	11.4	11.3	11.3	11.2	11.1	11.0	10.9	10.8	10.7	10.6	10.5	10.4	10.2	10.1	10.0	9.8	9.7	9.6
λnm	1000	1010	1020	1030	1040	1050	1060	1070	1080	1090	1100	1110	1120	1130	1140	1150	1160	1170	1180	1190
T	9.4	9.3	9.2	9.1	9.0	8.9	8.8	8.7	8.6	8.5	8.5	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.5	8.5
λnm	1200	1210	1220	1230	1240	1250	1260	1270	1280	1290	1300	1310	1320	1330	1340	1350	1360	1370	1380	1390
T	8.6	8.7	8.8	8.9	9.1	9.2	9.4	9.7	9.9	10.2	10.4	10.8	11.1	11.5	11.9	12.3	12.7	13.1	13.6	14.1
λnm	1400	1410	1420	1430	1440	1450	1460	1470	1480	1490	1500	1510	1520	1530	1540	1550	1560	1570	1580	1590
T	14.5	15.0	15.6	16.1	16.7	17.2	17.7	18.3	18.9	19.4	20.0	20.4	21.0	21.5	22.0	22.5	23.0	23.5	24.0	24.4
λnm	1600	1610	1620	1630	1640	1650	1660	1670	1680	1690	1700	1710	1720	1730	1740	1750	1760	1770	1780	1790
T	24.9	25.4	25.7	26.1	26.5	26.9	27.2	27.5	27.8	28.1	28.3	28.5	28.8	29.0	29.2	29.4	29.6	29.8	30.0	30.1
λnm	1800	1810	1820	1830	1840	1850	1860	1870	1880	1890	1900	1910	1920	1930	1940	1950	1960	1970	1980	1990
T	30.3	30.5	30.7	30.9	31.1	31.3	31.5	31.7	31.9	32.1	32.3	32.5	32.7	33.0	33.2	33.4	33.7	33.9	34.1	34.3
λnm	2000	2050	2100	2150	2200	2250	2300	2350	2400	2450	2500	2550	2600	2650	2700	2750	2800	2850	2900	2950
T	34.5	35.8	37.0	38.3	39.5	40.9	42.4	43.7	44.6	45.5	46.2	46.9	47.5	47.8	46.5	26.2	20.6	21.1	22.5	24.1
λnm	3000	3050	3100	3150	3200	3250	3300	3350	3400	3450	3500	3550	3600	3650	3700	3750	3800	3850	3900	3950
T	25.5	27.0	28.6	30.4	32.2	33.9	35.1	35.0	33.2	29.4	24.5	19.8	16.8	14.7	15.7	18.9	22.2	23.7	22.7	20.6
λnm	4000	4050	4100	4150	4200	4250	4300	4350	4400	4450	4500	4550	4600	4650	4700	4750	4800	4850	4900	4950
T	18.6	17.9	18.2	18.5	18.4	17.3	15.6	13.3	10.8	8.4	6.2	4.4	3.1	2.2	1.6	1.2	1.0	0.9	0.9	0.8
λnm	5000																			
T	0.8																			

