

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	<1E-6	<1E-6	<1E-6	<1E-6	<1E-6	<1E-6	3.09E-03	0.32	2.91	11.77	29.03	49.56	66.40	77.11	82.72	85.84	87.94	88.59	88.69	87.92
λnm	400	410	420	430	440	450	460	470	480	490	500	510	520	530	540	550	560	570	580	590
T	86.60	85.85	85.19	85.46	85.98	86.05	85.66	86.11	86.55	86.82	86.70	86.45	85.95	85.63	85.82	86.24	86.21	85.90	85.33	84.52
λnm	600	610	620	630	640	650	660	670	680	690	700	710	720	730	740	750	760	770	780	790
T	83.49	82.17	80.49	78.56	76.40	73.95	71.17	68.49	65.19	61.70	57.97	54.11	50.29	46.48	42.71	38.90	35.16	31.52	28.05	24.83
λnm	800	810	820	830	840	850	860	870	880	890	900	910	920	930	940	950	960	970	980	990
T	21.79	19.12	16.78	14.43	12.43	10.60	8.97	7.61	6.47	5.46	4.59	3.86	3.26	2.75	2.32	1.98	1.70	1.45	1.26	1.09
λnm	1000	1010	1020	1030	1040	1050	1060	1070	1080	1090	1100	1120	1140	1160	1180	1200				
T	0.95	0.83	0.74	0.66	0.59	0.53	0.49	0.45	0.42	0.39	0.37	0.33	0.31	0.29	0.28	0.28				

Refractive Index/Absorption coefficient/Reflection coefficient

λnm	400	500	600	700	800	900	1000
n	1.528	1.519	1.515	1.512	1.510	1.509	1.508
P	0.916	0.919	0.920	0.920	0.921	0.921	0.921

Classes of Bubbles and Inclusions

Bubble Class
3

Color Specification

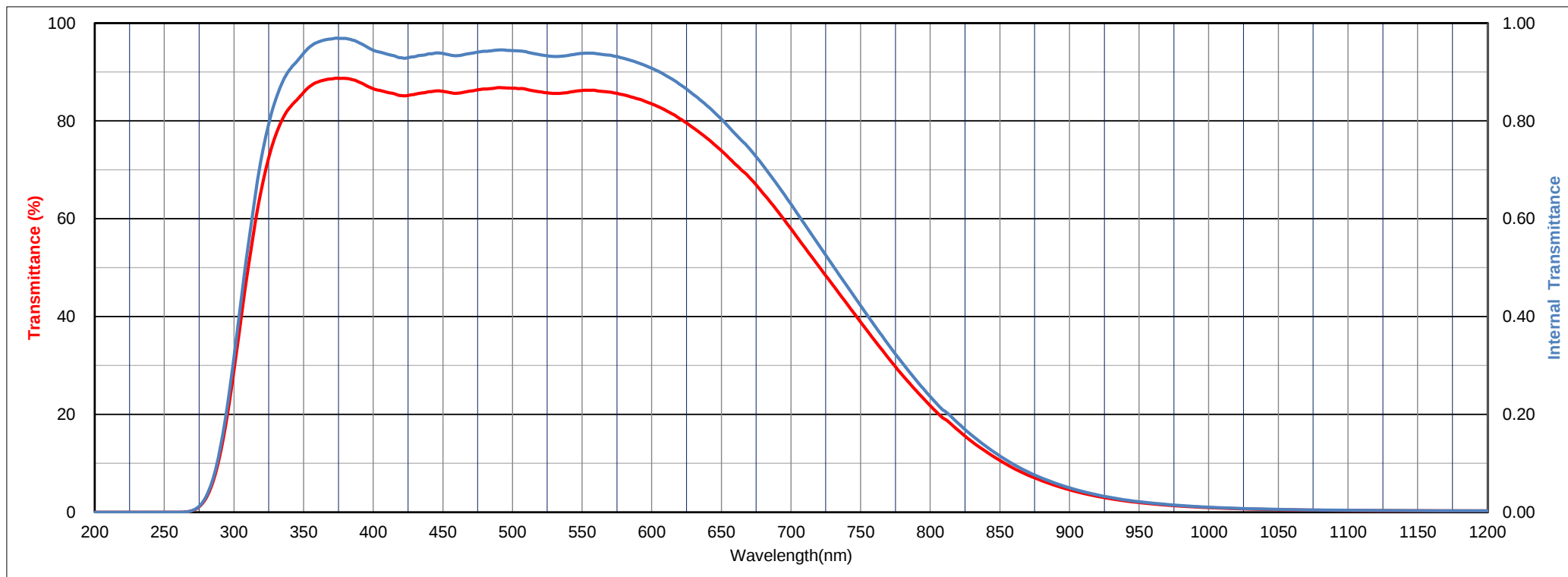
	x	y	Y	λ _d	P _s
A	0.440	0.411	84	502	2
C	0.305	0.316	85	491	2
D65	0.307	0.329	85	493	2

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	-	560	615	-	66	-	-	2.60

Tolerance of Transmittance (T)

Transmittance at 750nm	Transmittance at 1000nm	Average Transmittance at 400nm-700nm
T750(%)	T1000(%)	Tav(%)
<55	<3	80±5



λnm	200	210	220	230	240	250	260	270	280	290	300	310	320	330	340	350	360	370	380	390
T	<1E-6	<1E-6	<1E-6	<1E-6	<1E-6	<1E-6	0.00	0.32	2.91	11.77	29.03	49.56	66.40	77.11	82.72	85.84	87.94	88.59	88.69	87.92
λnm	400	410	420	430	440	450	460	470	480	490	500	510	520	530	540	550	560	570	580	590
T	86.60	85.85	85.19	85.46	85.98	86.05	85.66	86.11	86.55	86.82	86.70	86.45	85.95	85.63	85.82	86.24	86.21	85.90	85.33	84.52
λnm	600	610	620	630	640	650	660	670	680	690	700	710	720	730	740	750	760	770	780	790
T	83.49	82.17	80.49	78.56	76.40	73.95	71.17	68.49	65.19	61.70	57.97	54.11	50.29	46.48	42.71	38.90	35.16	31.52	28.05	24.83
λnm	800	810	820	830	840	850	860	870	880	890	900	910	920	930	940	950	960	970	980	990
T	21.79	19.12	16.78	14.43	12.43	10.60	8.97	7.61	6.47	5.46	4.59	3.86	3.26	2.75	2.32	1.98	1.70	1.45	1.26	1.09
λnm	1000	1010	1020	1030	1040	1050	1060	1070	1080	1090	1100	1110	1120	1130	1140	1150	1160	1170	1180	1190
T	0.95	0.83	0.74	0.66	0.59	0.53	0.49	0.45	0.42	0.39	0.37	0.35	0.33	0.32	0.31	0.30	0.29	0.29	0.28	0.28
λnm	1200	1210	1220	1230	1240	1250	1260	1270	1280	1290	1300	1310	1320	1330	1340	1350	1360	1370	1380	1390
T	0.28	0.28	0.28	0.28	0.28	0.29	0.29	0.30	0.30	0.31	0.31	0.00	0.13	0.31	0.49	0.62	0.75	0.75	0.60	0.44
λnm	1400	1410	1420	1430	1440	1450	1460	1470	1480	1490	1500	1510	1520	1530	1540	1550	1560	1570	1580	1590
T	0.45	0.50	0.56	0.60	0.58	0.60	0.57	0.58	0.64	0.71	0.77	0.82	0.87	0.90	0.94	0.96	1.00	1.09	1.14	1.22
λnm	1600	1610	1620	1630	1640	1650	1660	1670	1680	1690	1700	1710	1720	1730	1740	1750	1760	1770	1780	1790
T	1.29	1.36	1.42	1.49	1.54	1.60	1.68	1.75	1.84	1.90	1.97	2.04	2.09	2.14	2.18	2.21	2.24	2.27	2.30	2.33
λnm	1800	1810	1820	1830	1840	1850	1860	1870	1880	1890	1900	1910	1920	1930	1940	1950	1960	1970	1980	1990
T	2.35	2.37	2.39	2.39	2.38	2.37	2.35	2.32	2.29	2.25	2.22	2.19	2.16	2.12	2.09	2.06	2.03	1.99	1.96	1.93
λnm	2000	2050	2100	2150	2200	2250	2300	2350	2400	2450	2500	2550	2600	2650	2700	2750	2800	2850	2900	2950
T	1.88	1.71	1.60	1.54	1.40	1.40	1.56	1.81	2.09	2.39	2.65	2.80	2.93	3.13	3.11	1.54	0.01	0.00	0.00	0.00
λnm	3000	3050	3100	3150	3200	3250	3300	3350	3400	3450	3500	3550	3600	3650	3700	3750	3800	3850	3900	3950
T	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.00	0.00
λnm	4000	4050	4100	4150	4200	4250	4300	4350	4400	4450	4500	4550	4600	4650	4700	4750	4800	4850	4900	4950
T	0.01	0.01	0.00	0.01	0.01	0.00	0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00
λnm	5000																			
T	0.00																			

