

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	<1E-6	<1E-6	<1E-6	0.00	0.00	1.03E-01	3.79	21.83	47.89	67.86	79.49	85.31	88.07	89.44
λnm	400	410	420	430	440	450	460	470	480	490	500	510	520	530	540	550	560	570	580	590
T	90.04	90.44	90.61	90.81	90.94	91.02	91.13	91.19	91.16	91.13	90.99	90.75	90.13	89.11	87.62	85.36	82.19	78.07	73.03	66.99
λnm	600	610	620	630	640	650	660	670	680	690	700	710	720	730	740	750	760	770	780	790
T	60.25	53.11	45.70	38.60	31.89	25.77	20.42	16.23	12.59	9.73	7.52	5.82	4.56	3.60	2.89	2.37	1.98	1.69	1.48	1.33
λnm	800	810	820	830	840	850	860	870	880	890	900	910	920	930	940	950	960	970	980	990
T	1.23	1.16	1.12	1.10	1.11	1.14	1.18	1.25	1.32	1.42	1.54	1.68	1.84	2.02	2.22	2.45	2.69	2.97	3.28	3.61
λnm	1000	1010	1020	1030	1040	1050	1060	1070	1080	1090	1100	1120	1140	1160	1180	1200				
T	3.98	4.38	4.82	5.29	5.80	6.35	6.95	7.57	8.22	8.95	9.70	11.38	13.23	15.21	17.42	19.78				

Refractive Index/Absorption coefficient/Reflection coefficient

λnm	400	500	600	700	800	900	1000
n	1.535	1.526	1.521	1.518	1.517	1.516	1.515
P	0.915	0.917	0.918	0.919	0.919	0.919	0.919

Classes of Bubbles and Inclusions

Bubble Class
0

Color Specification

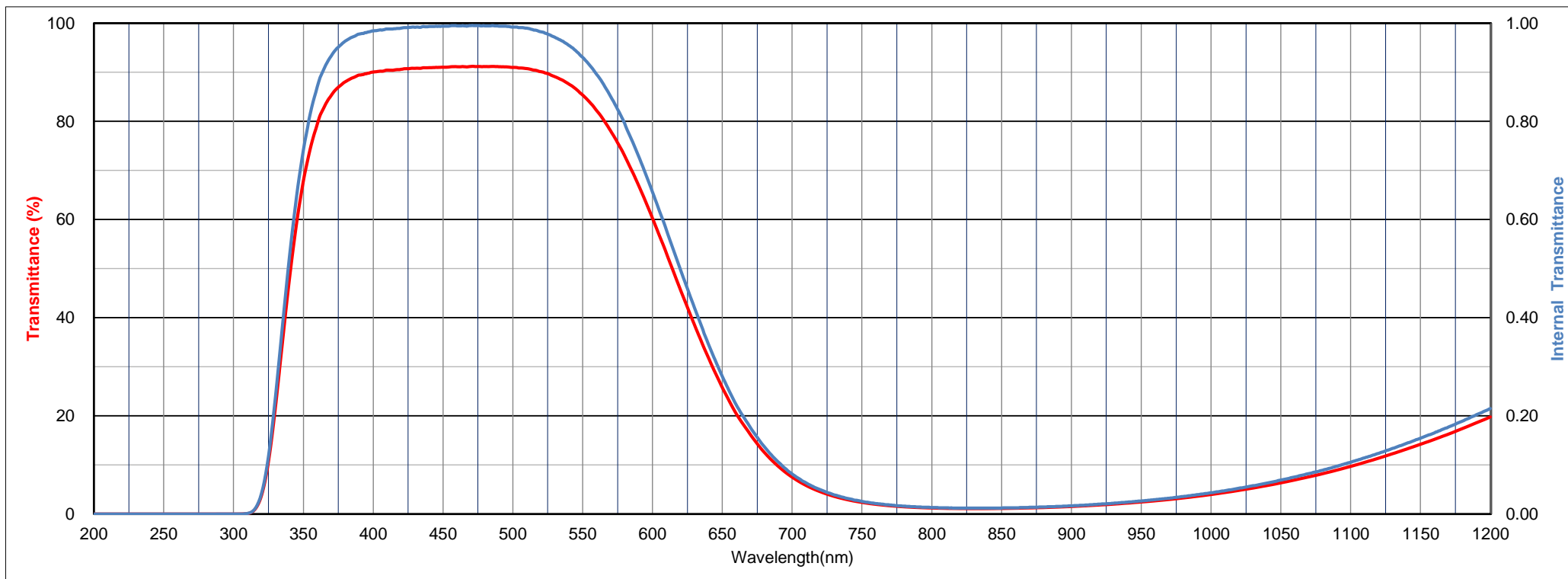
	x	y	Y	λ _d	P _o
A	0.382	0.425	71	499	15
C	0.264	0.307	77	489	18
D65	0.266	0.321	77	490	18

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	4	330	365	128	170	440	440	3.27

Tolerance of Transmittance (T)

Transmittance at 400nm	Transmittance at 500nm	Transmittance at 600nm
T400(%)	T500(%)	T600(%)
≥85	≥89	≥59



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	<1E-6	<1E-6	<1E-6	0.00	0.00	1.0E-01	3.79	21.83	47.89	67.86	79.49	85.31	88.07	89.44
λnm	400	410	420	430	440	450	460	470	480	490	500	510	520	530	540	550	560	570	580	590
T	90.04	90.44	90.61	90.81	90.94	91.02	91.13	91.19	91.16	91.13	90.99	90.75	90.13	89.11	87.62	85.36	82.19	78.07	73.03	66.99
λnm	600	610	620	630	640	650	660	670	680	690	700	710	720	730	740	750	760	770	780	790
T	60.25	53.11	45.70	38.60	31.89	25.77	20.42	16.23	12.59	9.73	7.52	5.82	4.56	3.60	2.89	2.37	1.98	1.69	1.48	1.33
λnm	800	810	820	830	840	850	860	870	880	890	900	910	920	930	940	950	960	970	980	990
T	1.23	1.16	1.12	1.10	1.11	1.14	1.18	1.25	1.32	1.42	1.54	1.68	1.84	2.02	2.22	2.45	2.69	2.97	3.28	3.61
λnm	1000	1010	1020	1030	1040	1050	1060	1070	1080	1090	1100	1110	1120	1130	1140	1150	1160	1170	1180	1190
T	3.98	4.38	4.82	5.29	5.80	6.35	6.95	7.57	8.22	8.95	9.70	10.53	11.38	12.29	13.23	14.21	15.21	16.28	17.42	18.59
λnm	1200	1210	1220	1230	1240	1250	1260	1270	1280	1290	1300	1310	1320	1330	1340	1350	1360	1370	1380	1390
T	19.78	21.03	22.33	23.67	25.00	26.37	27.87	29.12	30.38	31.63	32.88	34.13	35.39	36.64	38.29	39.59	41.18	43.00	44.15	45.93
λnm	1400	1410	1420	1430	1440	1450	1460	1470	1480	1490	1500	1510	1520	1530	1540	1550	1560	1570	1580	1590
T	47.57	48.82	50.54	51.62	53.17	54.73	55.68	57.15	58.56	59.67	60.89	61.95	63.14	64.18	65.35	66.24	67.47	68.14	69.19	70.07
λnm	1600	1610	1620	1630	1640	1650	1660	1670	1680	1690	1700	1710	1720	1730	1740	1750	1760	1770	1780	1790
T	70.94	71.70	72.45	73.38	74.03	74.93	75.63	76.13	76.78	77.51	77.97	78.60	79.14	79.72	80.17	80.77	80.97	81.66	82.08	82.44
λnm	1800	1810	1820	1830	1840	1850	1860	1870	1880	1890	1900	1910	1920	1930	1940	1950	1960	1970	1980	1990
T	82.78	83.24	83.45	83.89	84.15	84.54	84.86	85.12	85.37	85.70	85.88	86.19	86.40	86.68	86.90	87.06	87.24	87.47	87.61	87.78
λnm	2000	2050	2100	2150	2200	2250	2300	2350	2400	2450	2500	2550	2600	2650	2700	2750	2800	2850	2900	2950
T	88.03	88.68	89.39	89.84	90.22	90.58	90.84	90.75	90.65	90.83	90.98	91.09	91.10	91.27	91.25	91.17	90.68	89.47	88.22	87.33
λnm	3000	3050	3100	3150	3200	3250	3300	3350	3400	3450	3500	3550	3600	3650	3700	3750	3800	3850	3900	3950
T	86.67	86.10	85.62	85.24	85.02	84.95	84.99	85.12	85.23	85.42	85.63	85.99	86.33	86.68	87.04	87.31	87.36	87.07	86.29	84.84
λnm	4000	4050	4100	4150	4200	4250	4300	4350	4400	4450	4500	4550	4600	4650	4700	4750	4800	4850	4900	4950
T	82.34	77.95	71.00	62.04	52.50	44.01	36.85	30.62	25.33	21.54	18.84	16.85	15.58	15.16	15.35	16.17	18.06	21.25	25.83	31.60
λnm	5000																			
T	37.69																			

