

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	<1E-6	0.00	3.43E-03	0.79	10.68	34.15	56.71	70.74	77.85	81.44	83.47
λnm	400	410	420	430	440	450	460	470	480	490	500	510	520	530	540	550	560	570	580	590
T	84.75	85.46	86.16	86.65	87.33	87.73	88.10	88.21	88.58	88.71	88.70	88.35	87.57	86.28	84.25	81.19	77.10	71.83	65.55	58.33
λnm	600	610	620	630	640	650	660	670	680	690	700	710	720	730	740	750	760	770	780	790
T	50.55	42.72	34.99	27.93	21.64	16.33	11.98	8.78	6.21	4.35	3.06	2.14	1.52	1.08	0.78	0.58	0.44	0.35	0.28	0.24
λnm	800	810	820	830	840	850	860	870	880	890	900	910	920	930	940	950	960	970	980	990
T	0.20	0.18	0.17	0.16	0.15	0.15	0.16	0.16	0.18	0.19	0.21	0.23	0.26	0.30	0.33	0.38	0.43	0.49	0.56	0.64
λnm	1000	1010	1020	1030	1040	1050	1060	1070	1080	1090	1100	1120	1140	1160	1180	1200				
T	0.73	0.83	0.94	1.07	1.22	1.38	1.56	1.76	1.97	2.21	2.49	3.11	3.84	4.70	5.73	6.93				

Refractive Index/Absorption coefficient/Reflection coefficient

λnm	400	500	600	700	800	900	1000
n	1.554	1.544	1.539	1.536	1.534	1.533	1.532
P	0.910	0.913	0.914	0.915	0.915	0.915	0.915

Classes of Bubbles and Inclusions

Bubble Class
0

Color Specification

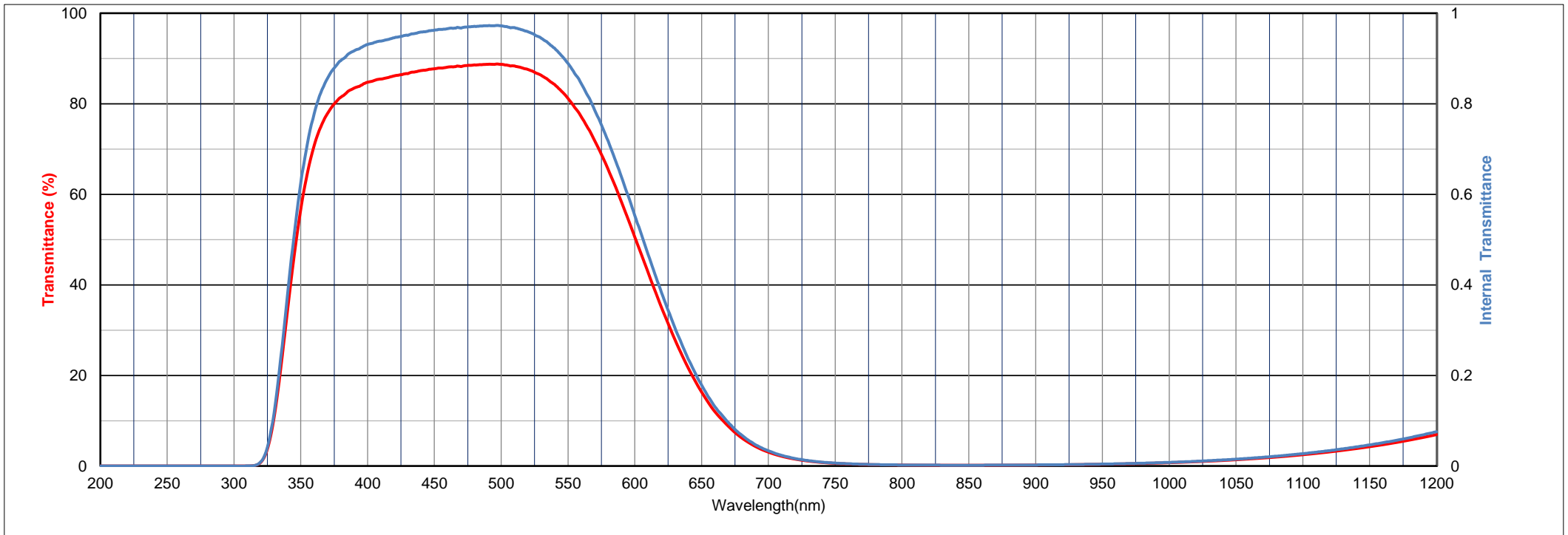
	x	y	Y	λ _d	P _e
A	0.364	0.429	65	499	19
C	0.252	0.305	71	489	22
D65	0.254	0.320	72	490	22

Properties

Chemical		Thermal				Mechanical		Others
D _w	D _A	T _g	T _s	α	α	H _k	F _A	d
1	4	429	474	-30/70	100/300	375	490	3.07

Tolerance of Transmittance (T)

Transmittance at 400nm	Transmittance at 500nm	Transmittance at 700nm
T400(%)	T500(%)	T700(%)
≥82	≥86	≤6



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	<1E-6	0.00	3.4E-03	0.79	10.68	34.15	56.71	70.74	77.85	81.44	83.47
λnm	400	410	420	430	440	450	460	470	480	490	500	510	520	530	540	550	560	570	580	590
T	84.75	85.46	86.16	86.65	87.33	87.73	88.10	88.21	88.58	88.71	88.70	88.35	87.57	86.28	84.25	81.19	77.10	71.83	65.55	58.33
λnm	600	610	620	630	640	650	660	670	680	690	700	710	720	730	740	750	760	770	780	790
T	50.55	42.72	34.99	27.93	21.64	16.33	11.98	8.78	6.21	4.35	3.06	2.14	1.52	1.08	0.78	0.58	0.44	0.35	0.28	0.24
λnm	800	810	820	830	840	850	860	870	880	890	900	910	920	930	940	950	960	970	980	990
T	0.20	0.18	0.17	0.16	0.15	0.15	0.16	0.16	0.18	0.19	0.21	0.23	0.26	0.30	0.33	0.38	0.43	0.49	0.56	0.64
λnm	1000	1010	1020	1030	1040	1050	1060	1070	1080	1090	1100	1110	1120	1130	1140	1150	1160	1170	1180	1190
T	0.73	0.83	0.94	1.07	1.22	1.38	1.56	1.76	1.97	2.21	2.49	2.78	3.11	3.46	3.84	4.26	4.70	5.19	5.73	6.30
λnm	1200	1210	1220	1230	1240	1250	1260	1270	1280	1290	1300	1310	1320	1330	1340	1350	1360	1370	1380	1390
T	6.93	7.59	8.31	9.08	9.87	10.73	11.70	12.65	13.41	14.19	15.00	15.82	16.57	17.34	18.20	19.06	20.09	21.20	22.36	23.61
λnm	1400	1410	1420	1430	1440	1450	1460	1470	1480	1490	1500	1510	1520	1530	1540	1550	1560	1570	1580	1590
T	24.76	26.09	27.49	28.91	30.35	31.67	33.16	34.66	36.16	37.67	38.94	40.35	41.85	43.32	44.79	46.16	47.52	48.90	50.30	51.62
λnm	1600	1610	1620	1630	1640	1650	1660	1670	1680	1690	1700	1710	1720	1730	1740	1750	1760	1770	1780	1790
T	52.89	54.12	55.38	56.61	57.83	58.93	60.02	61.12	62.21	63.25	64.21	65.14	66.09	67.01	67.90	68.68	69.52	70.31	71.09	71.82
λnm	1800	1810	1820	1830	1840	1850	1860	1870	1880	1890	1900	1910	1920	1930	1940	1950	1960	1970	1980	1990
T	72.48	73.18	73.87	74.53	75.15	75.70	76.29	76.85	77.40	77.93	78.37	78.87	79.33	79.79	80.21	80.58	81.01	81.37	81.77	82.08
λnm	2000	2050	2100	2150	2200	2250	2300	2350	2400	2450	2500	2550	2600	2650	2700	2750	2800	2850	2900	2950
T	82.45	83.98	85.27	86.32	87.12	87.80	88.45	88.97	89.32	89.57	89.68	89.66	89.58	89.44	89.10	88.29	85.47	80.34	75.51	71.87
λnm	3000	3050	3100	3150	3200	3250	3300	3350	3400	3450	3500	3550	3600	3650	3700	3750	3800	3850	3900	3950
T	68.99	66.49	64.11	61.89	59.90	58.12	56.62	55.39	54.41	53.78	53.48	53.61	54.18	55.15	56.32	57.12	56.39	52.78	46.39	38.68
λnm	4000	4050	4100	4150	4200	4250	4300	4350	4400	4450	4500	4550	4600	4650	4700	4750	4800	4850	4900	4950
T	29.88	19.68	10.52	4.86	2.26	1.29	0.96	0.75	0.55	0.39	0.28	0.22	0.21	0.29	0.50	0.92	1.66	2.76	4.31	6.55
λnm	5000																			
T	9.30																			

