

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	0.13	4.41	23.09	46.92	62.93	71.74	76.62	79.55	81.56
λnm	400	410	420	430	440	450	460	470	480	490	500	510	520	530	540	550	560	570	580	590
T	83.08	84.38	85.35	86.23	86.95	87.51	87.98	88.44	88.73	88.97	89.04	88.89	88.44	87.53	85.95	83.50	79.91	75.16	69.09	61.88
λnm	600	610	620	630	640	650	660	670	680	690	700	710	720	730	740	750	760	770	780	790
T	53.77	45.35	36.96	29.21	22.30	16.47	11.69	8.22	5.54	3.65	2.35	1.50	0.95	0.60	0.39	0.25	0.16	0.11	0.08	0.05
λnm	800	810	820	830	840	850	860	870	880	890	900	910	920	930	940	950	960	970	980	990
T	0.04	0.03	0.03	0.02	0.02	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.04	0.04	0.05	0.05
λnm	1000	1010	1020	1030	1040	1050	1060	1070	1080	1090	1100	1120	1140	1160	1180	1200				
T	0.06	0.08	0.09	0.11	0.13	0.15	0.18	0.21	0.25	0.30	0.35	0.48	0.66	0.88	1.17	1.54				

Refractive Index/Absorption coefficient/Reflection coefficient

λnm	400	500	600	700	800	900	1000
n	1.550	1.541	1.536	1.533	1.531	1.530	1.529
P	0.911	0.913	0.915	0.915	0.916	0.916	0.916

Classes of Bubbles and Inclusions

Bubble Class
0

Color Specification

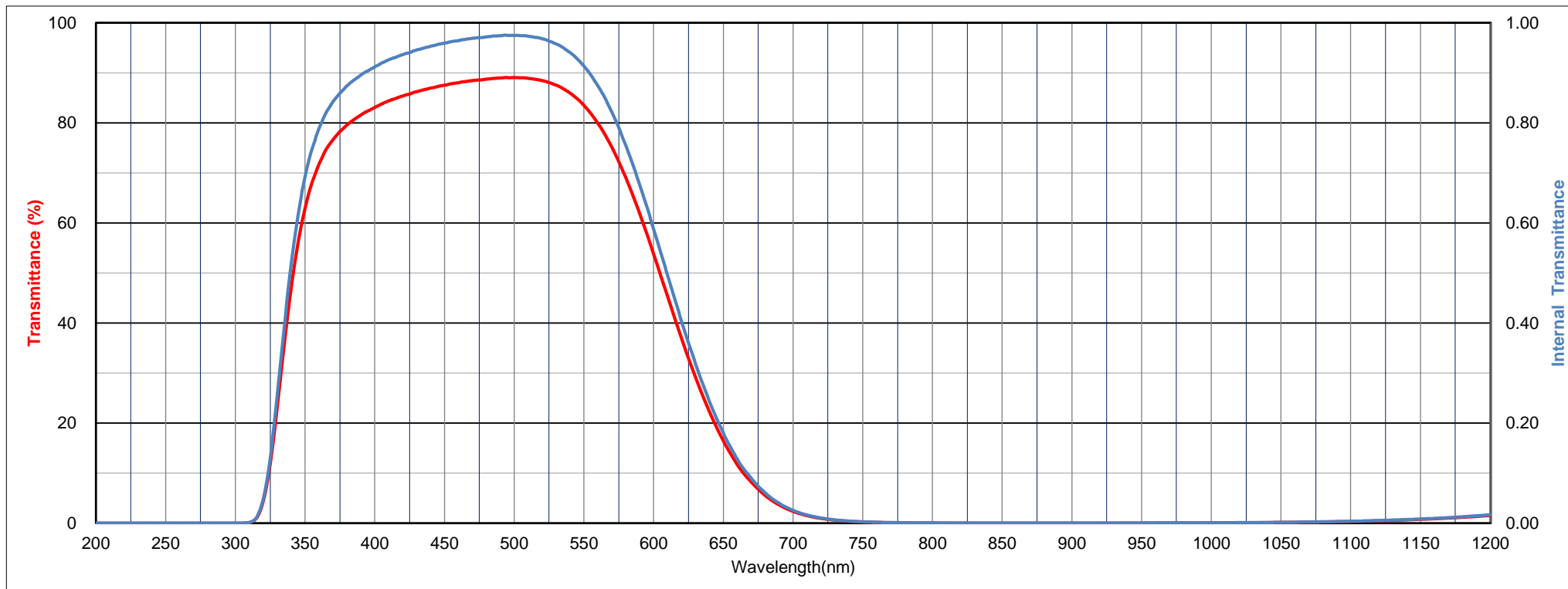
	x	y	Y	λ <sub>d</sub>	P <sub>e</sub>
A	0.369	0.431	67	500	18
C	0.256	0.309	73	489	21
D65	0.258	0.323	74	490	20

Properties

Chemical		Thermal				Mechanical		Others
D <sub>w</sub>	D <sub>A</sub>	T <sub>g</sub>	T <sub>s</sub>	α <sub>-30/70</sub>	α <sub>100/300</sub>	H <sub>K</sub>	F <sub>A</sub>	d
1	2	425	470	83	110	420	150	2.59

Tolerance of Transmittance (T)

Transmittance at 400nm	Transmittance at 500nm	Transmittance at 600nm
T400(%)	T500(%)	T600(%)
≥80	≥88	≤55



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	0.13	4.41	23.09	46.92	62.93	71.74	76.62	79.55	81.56	
λnm	400	410	420	430	440	450	460	470	480	490	500	510	520	530	540	550	560	570	580	590	
T	83.08	84.38	85.35	86.23	86.95	87.51	87.98	88.44	88.73	88.97	89.04	88.89	88.44	87.53	85.95	83.50	79.91	75.16	69.09	61.88	
λnm	600	610	620	630	640	650	660	670	680	690	700	710	720	730	740	750	760	770	780	790	
T	53.77	45.35	36.96	29.21	22.30	16.47	11.69	8.22	5.54	3.65	2.35	1.50	0.95	0.60	0.39	0.25	0.16	0.11	0.08	0.05	
λnm	800	810	820	830	840	850	860	870	880	890	900	910	920	930	940	950	960	970	980	990	
T	0.04	0.03	0.03	0.02	0.02	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.04	0.04	0.05	0.05	
λnm	1000	1010	1020	1030	1040	1050	1060	1070	1080	1090	1100	1110	1120	1130	1140	1150	1160	1170	1180	1190	
T	0.06	0.08	0.09	0.11	0.13	0.15	0.18	0.21	0.25	0.30	0.35	0.41	0.48	0.56	0.66	0.76	0.88	1.01	1.17	1.34	
λnm	1200	1210	1220	1230	1240	1250	1260	1270	1280	1290	1300	1310	1320	1330	1340	1350	1360	1370	1380	1390	
T	1.54	1.76	2.01	2.28	2.59	2.93	3.32	3.76	4.19	4.68	5.21	5.84	6.62	7.51	8.36	9.26	10.18	11.12	12.16	13.15	
λnm	1400	1410	1420	1430	1440	1450	1460	1470	1480	1490	1500	1510	1520	1530	1540	1550	1560	1570	1580	1590	
T	14.23	15.22	16.17	17.31	18.37	19.57	20.77	21.86	23.07	24.22	25.52	26.86	28.09	29.39	30.68	32.02	33.37	34.74	36.01	37.28	
λnm	1600	1610	1620	1630	1640	1650	1660	1670	1680	1690	1700	1710	1720	1730	1740	1750	1760	1770	1780	1790	
T	38.55	39.84	41.13	42.42	43.64	44.85	46.13	47.27	48.40	49.62	50.73	51.81	52.84	53.83	54.88	55.85	56.81	57.70	58.63	59.54	
λnm	1800	1810	1820	1830	1840	1850	1860	1870	1880	1890	1900	1910	1920	1930	1940	1950	1960	1970	1980	1990	
T	60.38	61.20	62.01	62.76	63.49	64.26	65.02	65.75	66.38	67.04	67.68	68.31	68.87	69.41	69.92	70.42	70.90	71.34	71.78	72.20	
λnm	2000	2050	2100	2150	2200	2250	2300	2350	2400	2450	2500	2550	2600	2650	2700	2750	2800	2850	2900	2950	
T	72.59	74.37	75.85	76.89	76.65	76.63	77.12	77.75	78.17	78.14	77.25	75.51	73.91	72.42	70.41	64.17	35.50	16.82	10.28	7.23	
λnm	3000	3050	3100	3150	3200	3250	3300	3350	3400	3450	3500	3550	3600	3650	3700	3750	3800	3850	3900	3950	
T	5.38	4.09	3.15	2.46	1.98	1.66	1.47	1.39	1.38	1.46	1.63	1.90	2.29	2.78	3.21	3.35	3.09	2.59	1.95	1.23	
λnm	4000	4050	4100	4150	4200	4250	4300	4350	4400	4450	4500	4550	4600	4650	4700	4750	4800	4850	4900	4950	
T	0.73	0.43	0.25	0.15	0.11	0.11	0.14	0.23	0.32	0.41	0.52	0.68	0.92	1.23	1.59	1.96	2.33	2.69	3.01	3.14	
λnm	5000																				
T	2.99																				

