

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	1.3	7.8	17.5	29.3	43.1	57.1	68.7	77.3	83.2	86.9	89.3	90.8	91.5	92.0
λnm	400	410	420	430	440	450	460	470	480	490	500	510	520	530	540	550	560	570	580	590
T	91.9	91.8	91.5	90.9	89.7	88.6	87.5	85.3	81.7	76.8	70.7	63.6	55.5	47.0	38.9	29.9	21.5	15.1	10.5	7.1
λnm	600	610	620	630	640	650	660	670	680	690	700	710	720	730	740	750	760	770	780	790
T	4.1	1.7	1.0	0.9	1.0	0.8	0.4	0.5	0.6	0.7	1.2	4.3	13.8	29.5	50.3	72.4	85.1	89.9	91.3	91.8
λnm	800	810	820	830	840	850	860	870	880	890	900	910	920	930	940	950	960	970	980	990
T	91.9	91.9	91.9	91.9	91.9	91.8	91.7	91.7	91.6	91.5	91.5	91.4	91.3	91.1	91.0	90.8	90.7	90.5	90.3	90.0
λnm	1000	1010	1020	1030	1040	1050	1060	1070	1080	1090	1100	1120	1140	1160	1180	1200				
T	89.8	89.5	89.3	89.0	88.6	88.4	88.0	87.5	87.3	86.8	86.3	85.3	84.2	83.1	81.7	80.2				

Refractive Index/Absorption coefficient/Reflection coefficient

λnm	400	500	600	700	800	900	1000
n	1.486	1.473	1.467	1.463	1.460	1.459	1.457
P	0.926	0.929	0.931	0.932	0.932	0.933	0.933

Classes of Bubbles and Inclusions

Bubble Class
3

Color Specification

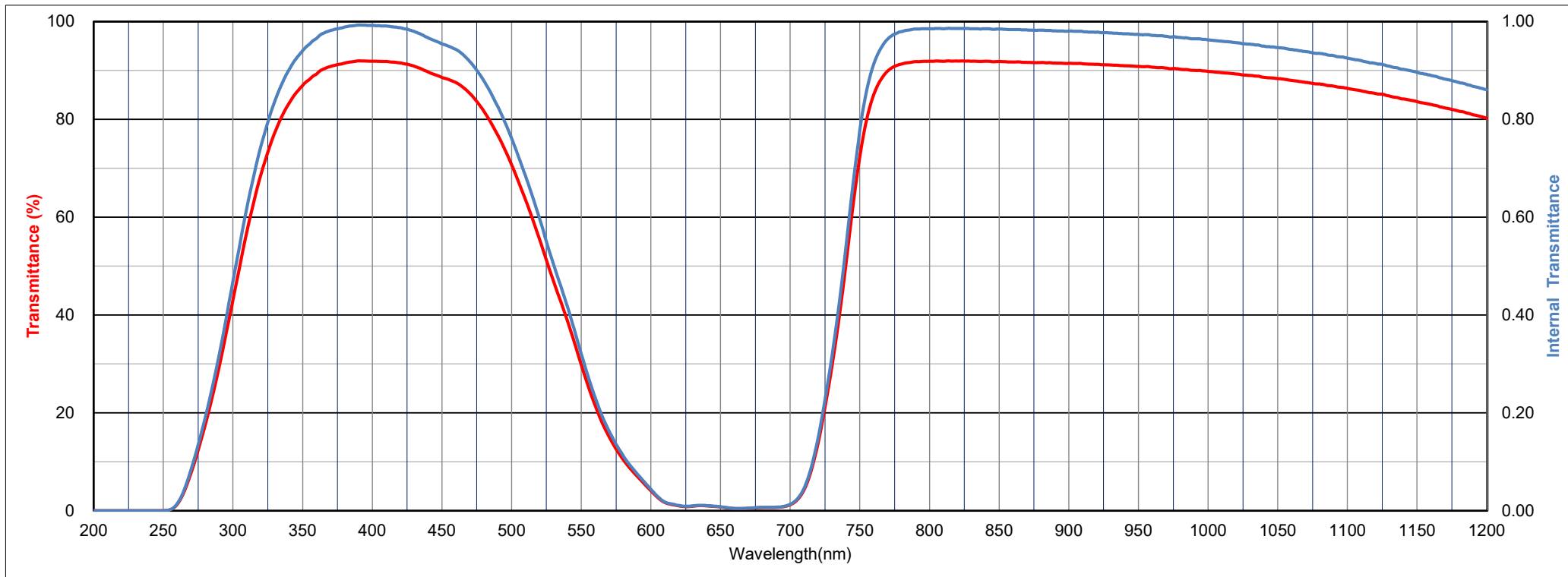
	x	y	Y	λ <sub>d</sub>	P <sub>e</sub>
A	0.198	0.339	22	490	62
C	0.162	0.190	30	480	68
D65	0.162	0.205	30	481	67

Properties

Chemical		Thermal				Mechanical		Others
D <sub>w</sub>	D <sub>A</sub>	T <sub>g</sub>	T <sub>s</sub>	α	α	H <sub>k</sub>	F <sub>A</sub>	d
3	4	410	500	-30/70	100/300	420	120	2.27

Tolerance of Transmittance (T)

Maximum Transmittance	Less than 1% Wavelength at Short wave Side	Less than 5% Wavelength at Long wave Side
Tmax(%)	λs1(nm)	λl5(nm)
90±3	>250	<600



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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	1.3	7.8	17.5	29.3	43.1	57.1	68.7	77.3	83.2	86.9	89.3	90.8	91.5	92.0
λnm	400	410	420	430	440	450	460	470	480	490	500	510	520	530	540	550	560	570	580	590
T	91.9	91.8	91.5	90.9	89.7	88.6	87.5	85.3	81.7	76.8	70.7	63.6	55.5	47.0	38.9	29.9	21.5	15.1	10.5	7.1
λnm	600	610	620	630	640	650	660	670	680	690	700	710	720	730	740	750	760	770	780	790
T	4.1	1.7	1.0	0.9	1.0	0.8	0.4	0.5	0.6	0.7	1.2	4.3	13.8	29.5	50.3	72.4	85.1	89.9	91.3	91.8
λnm	800	810	820	830	840	850	860	870	880	890	900	910	920	930	940	950	960	970	980	990
T	91.9	91.9	91.9	91.9	91.9	91.8	91.7	91.7	91.6	91.5	91.5	91.4	91.3	91.1	91.0	90.8	90.7	90.5	90.3	90.0
λnm	1000	1010	1020	1030	1040	1050	1060	1070	1080	1090	1100	1110	1120	1130	1140	1150	1160	1170	1180	1190
T	89.8	89.5	89.3	89.0	88.6	88.4	88.0	87.5	87.3	86.8	86.3	85.8	85.3	84.8	84.2	83.6	83.1	82.4	81.7	81.0
λnm	1200	1210	1220	1230	1240	1250	1260	1270	1280	1290	1300	1310	1320	1330	1340	1350	1360	1370	1380	1390
T	80.2	79.4	78.6	77.8	76.8	75.9	74.8	73.8	72.8	71.7	70.5	68.1	65.4	63.3	61.6	59.9	58.5	57.0	55.6	54.1
λnm	1400	1410	1420	1430	1440	1450	1460	1470	1480	1490	1500	1510	1520	1530	1540	1550	1560	1570	1580	1590
T	52.5	51.2	49.9	48.7	47.4	46.3	45.3	44.4	43.5	42.8	42.1	41.6	41.2	41.0	40.8	40.8	40.8	41.0	41.1	41.3
λnm	1600	1610	1620	1630	1640	1650	1660	1670	1680	1690	1700	1710	1720	1730	1740	1750	1760	1770	1780	1790
T	41.5	41.9	42.4	42.8	43.2	43.5	43.7	43.8	43.8	43.7	43.5	43.3	43.0	42.8	42.5	42.2	42.0	41.9	41.8	41.8
λnm	1800	1810	1820	1830	1840	1850	1860	1870	1880	1890	1900	1910	1920	1930	1940	1950	1960	1970	1980	1990
T	41.8	41.9	42.0	42.1	42.3	42.4	42.6	42.8	43.1	43.4	43.7	44.0	44.3	44.7	44.9	45.2	45.4	45.6	45.8	46.0
λnm	2000	2050	2100	2150	2200	2250	2300	2350	2400	2450	2500	2550	2600	2650	2700	2750	2800	2850	2900	2950
T	46.2	48.0	50.4	53.8	58.7	63.6	67.4	69.7	70.7	71.8	72.3	72.3	72.6	73.0	71.0	42.9	28.0	25.9	26.8	29.2
λnm	3000	3050	3100	3150	3200	3250	3300	3350	3400	3450	3500	3550	3600	3650	3700	3750	3800	3850	3900	3950
T	32.2	35.2	38.1	40.7	41.5	39.1	31.1	19.2	8.6	3.0	1.0	0.3	0.1	0.1	0.1	0.3	0.7	0.8	0.5	0.3
λnm	4000	4050	4100	4150	4200	4250	4300	4350	4400	4450	4500	4550	4600	4650	4700	4750	4800	4850	4900	4950
T	0.2	0.2	0.3	0.4	0.5	0.4	0.3	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
λnm	5000																			
T	0.0																			

