

Internal Transmittance (τ)

λ nm	200	210	220	230	240	250	260	270	280	290	300	310	320	330	340	350	360	370	380	390
τ	<1E-05	<1E-05	<1E-05	<1E-05	<1E-05	<1E-05	<1E-05	<1E-05	<1E-05	<1E-05	<1E-05	<1E-05	<1E-05	<1E-05	<1E-05	<1E-05	<1E-05	<1E-05	<1E-05	<1E-05
λ nm	400	410	420	430	440	450	460	470	480	490	500	510	520	530	540	550	560	570	580	590
τ	<1E-05	<1E-05	<1E-05	<1E-05	<1E-05	<1E-05	<1E-05	<1E-05	<1E-05	<1E-05	<1E-05	<1E-05	<1E-05	0.003	0.111	0.477	0.775	0.903	0.951	0.970
λ nm	600	610	620	630	640	650	660	670	680	690	700	710	720	730	740	750	760	770	780	790
τ	0.977	0.981	0.982	0.983	0.983	0.984	0.983	0.984	0.985	0.985	0.985	0.986	0.986	0.986	0.986	0.987	0.986	0.986	0.986	0.986
λ nm	800	810	820	830	840	850	860	870	880	890	900	910	920	930	940	950	960	970	980	990
τ	0.986	0.985	0.984	0.984	0.984	0.984	0.985	0.984	0.984	0.985	0.986	0.987	0.988	0.989	0.989	0.989	0.990	0.990	0.991	0.991
λ nm	1000	1010	1020	1030	1040	1050	1060	1070	1080	1090	1100	1120	1140	1160	1180	1200				
τ	0.992	0.992	0.992	0.993	0.992	0.993	0.993	0.994	0.993	0.994	0.994	0.994	0.995	0.996	0.996	0.996				

Refractive Index/Absorption coefficient/Reflection coefficient

λ nm	400	500	600	700	800	900	1000
n	1.546	1.535	1.528	1.525	1.522	1.521	1.519
K	2.1E-03	4.0E-04	6.3E-07	4.2E-08	4.3E-09	6.4E-10	1.3E-10
P	0.912	0.915	0.916	0.917	0.918	0.918	0.918

Classes of Bubbles and Inclusions

Bubble Class
3

Color Specification

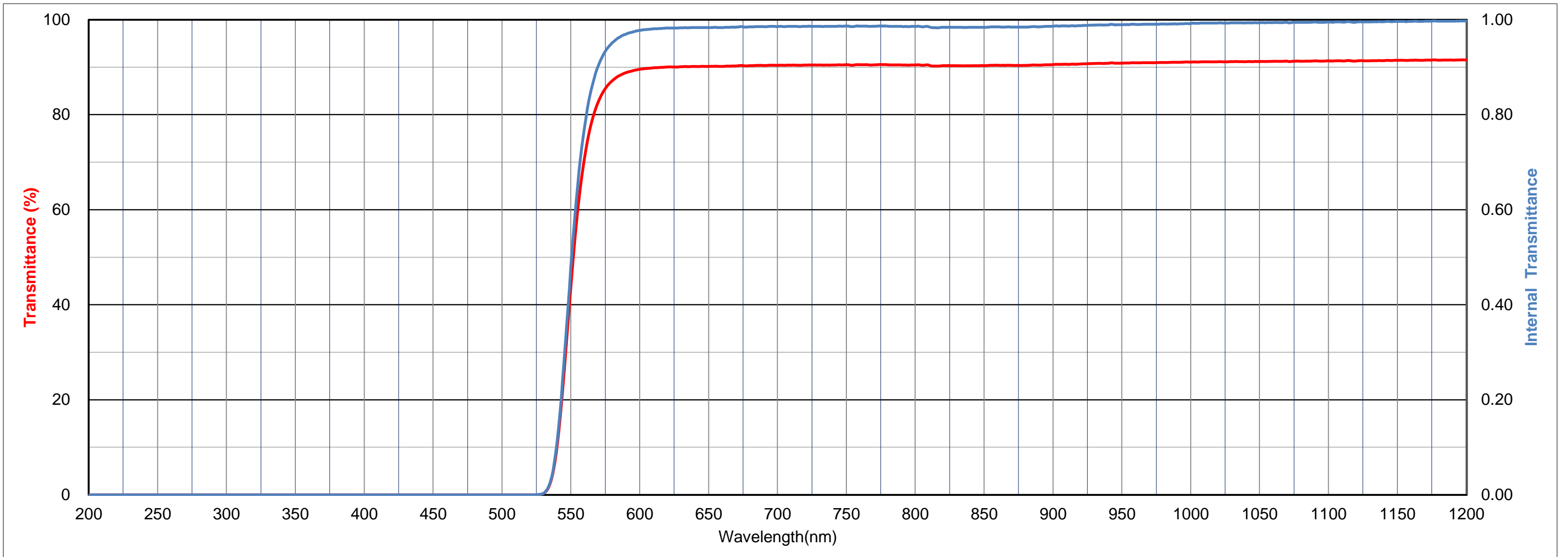
	x	y	Y	λ_d	P_e
A	0.589	0.410	61	592	100
C	0.559	0.440	49	587	100
D65	0.559	0.439	48	587	100

Properties

Chemical		Thermal				Mechanical		Others
D_w	D_A	Tg	Ts	$\alpha_{-30/70}$	$\alpha_{100/300}$	H_K	F_A	d
1	1	560	625	93	104	520	140	2.68

Tolerance of Transmittance (τ)

$\lambda\tau$ (nm)	λL (nm)	λH (nm)
550±5	<480	>620



Internal Transmittance (τ)

λ nm	200	210	220	230	240	250	260	270	280	290	300	310	320	330	340	350	360	370	380	390
τ	<1E-05	<1E-05	<1E-05	<1E-05	<1E-05	<1E-05	<1E-05	<1E-05	<1E-05	<1E-05	<1E-05	<1E-05	<1E-05	<1E-05	<1E-05	<1E-05	<1E-05	<1E-05	<1E-05	<1E-05
λ nm	400	410	420	430	440	450	460	470	480	490	500	510	520	530	540	550	560	570	580	590
τ	<1E-05	<1E-05	<1E-05	<1E-05	<1E-05	<1E-05	<1E-05	<1E-05	<1E-05	<1E-05	<1E-05	<1E-05	<1E-05	0.003	0.111	0.477	0.775	0.903	0.951	0.970
λ nm	600	610	620	630	640	650	660	670	680	690	700	710	720	730	740	750	760	770	780	790
τ	0.977	0.981	0.982	0.983	0.983	0.984	0.983	0.984	0.985	0.985	0.985	0.986	0.986	0.986	0.986	0.987	0.986	0.986	0.986	0.986
λ nm	800	810	820	830	840	850	860	870	880	890	900	910	920	930	940	950	960	970	980	990
τ	0.986	0.985	0.984	0.984	0.984	0.984	0.985	0.984	0.984	0.985	0.986	0.987	0.988	0.989	0.989	0.989	0.990	0.990	0.991	0.991
λ nm	1000	1010	1020	1030	1040	1050	1060	1070	1080	1090	1100	1110	1120	1130	1140	1150	1160	1170	1180	1190
τ	0.992	0.992	0.992	0.993	0.992	0.993	0.993	0.994	0.993	0.994	0.994	0.994	0.994	0.995	0.995	0.996	0.996	0.996	0.996	0.996
λ nm	1200	1210	1220	1230	1240	1250	1260	1270	1280	1290	1300	1310	1320	1330	1340	1350	1360	1370	1380	1390
τ	0.996	0.995	0.995	0.995	0.996	0.996	0.996	0.996	0.997	0.996	0.996	0.997	0.997	0.997	0.997	0.997	0.996	0.996	0.996	0.996
λ nm	1400	1410	1420	1430	1440	1450	1460	1470	1480	1490	1500	1510	1520	1530	1540	1550	1560	1570	1580	1590
τ	0.994	0.994	0.994	0.995	0.997	0.996	0.997	0.997	0.997	0.998	0.998	0.998	0.998	0.998	0.998	0.998	0.998	0.998	0.998	0.998
λ nm	1600	1610	1620	1630	1640	1650	1660	1670	1680	1690	1700	1710	1720	1730	1740	1750	1760	1770	1780	1790
τ	0.998	0.998	0.998	0.998	0.997	0.997	0.997	0.997	0.997	0.997	0.996	0.996	0.996	0.996	0.995	0.995	0.994	0.994	0.994	0.994
λ nm	1800	1810	1820	1830	1840	1850	1860	1870	1880	1890	1900	1910	1920	1930	1940	1950	1960	1970	1980	1990
τ	0.993	0.993	0.991	0.991	0.990	0.991	0.990	0.990	0.992	0.991	0.988	0.990	0.989	0.990	0.989	0.990	0.989	0.989	0.988	0.988
λ nm	2000	2050	2100	2150	2200	2250	2300	2350	2400	2450	2500	2550	2600	2650	2700	2750	2800	2850	2900	2950
τ	0.988	0.986	0.981	0.976	0.966	0.960	0.960	0.959	0.954	0.946	0.939	0.932	0.930	0.918	0.880	0.468	0.302	0.276	0.261	0.246
λ nm	3000	3050	3100	3150	3200	3250	3300	3350	3400	3450	3500	3550	3600	3650	3700	3750	3800	3850	3900	3950
τ	0.231	0.214	0.195	0.177	0.161	0.147	0.134	0.123	0.113	0.105	0.098	0.096	0.098	0.099	0.100	0.107	0.121	0.136	0.140	0.137
λ nm	4000	4050	4100	4150	4200	4250	4300	4350	4400	4450	4500	4550	4600	4650	4700	4750	4800	4850	4900	4950
τ	0.130	0.123	0.117	0.108	0.094	0.076	0.057	0.038	0.023	0.012	0.005	0.002	0.001	0.001	<1E-05	<1E-05	<1E-05	<1E-05	<1E-05	<1E-05
λ nm	5000																			
τ	<1E-05																			

