

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	0.036	0.489	0.799	0.895	0.929	0.945	0.953	0.959	0.964	0.967	0.970	0.971	0.973	0.975	0.977	0.977	0.977	0.978	0.978
λ nm	600	610	620	630	640	650	660	670	680	690	700	710	720	730	740	750	760	770	780	790
τ	0.979	0.979	0.979	0.978	0.979	0.979	0.979	0.980	0.981	0.982	0.982	0.982	0.983	0.983	0.983	0.984	0.983	0.983	0.983	0.983
λ nm	800	810	820	830	840	850	860	870	880	890	900	910	920	930	940	950	960	970	980	990
τ	0.983	0.982	0.981	0.981	0.981	0.982	0.982	0.982	0.982	0.983	0.984	0.984	0.985	0.986	0.986	0.987	0.987	0.987	0.988	0.988
λ nm	1000	1010	1020	1030	1040	1050	1060	1070	1080	1090	1100	1120	1140	1160	1180	1200				
τ	0.988	0.989	0.989	0.989	0.989	0.989	0.990	0.990	0.990	0.991	0.990	0.990	0.991	0.992	0.992	0.993				

Refractive Index/Absorption coefficient/Reflection coefficient

λ nm	400	500	600	700	800	900	1000
n	1.549	1.536	1.530	1.526	1.524	1.523	1.521
K	9.5E-05	2.1E-09	4.5E-14	3.4E-18	1.0E-21	1.1E-24	3.1E-27
P	0.911	0.914	0.916	0.917	0.917	0.918	0.918

Classes of Bubbles and Inclusions

Bubble Class
3

Color Specification

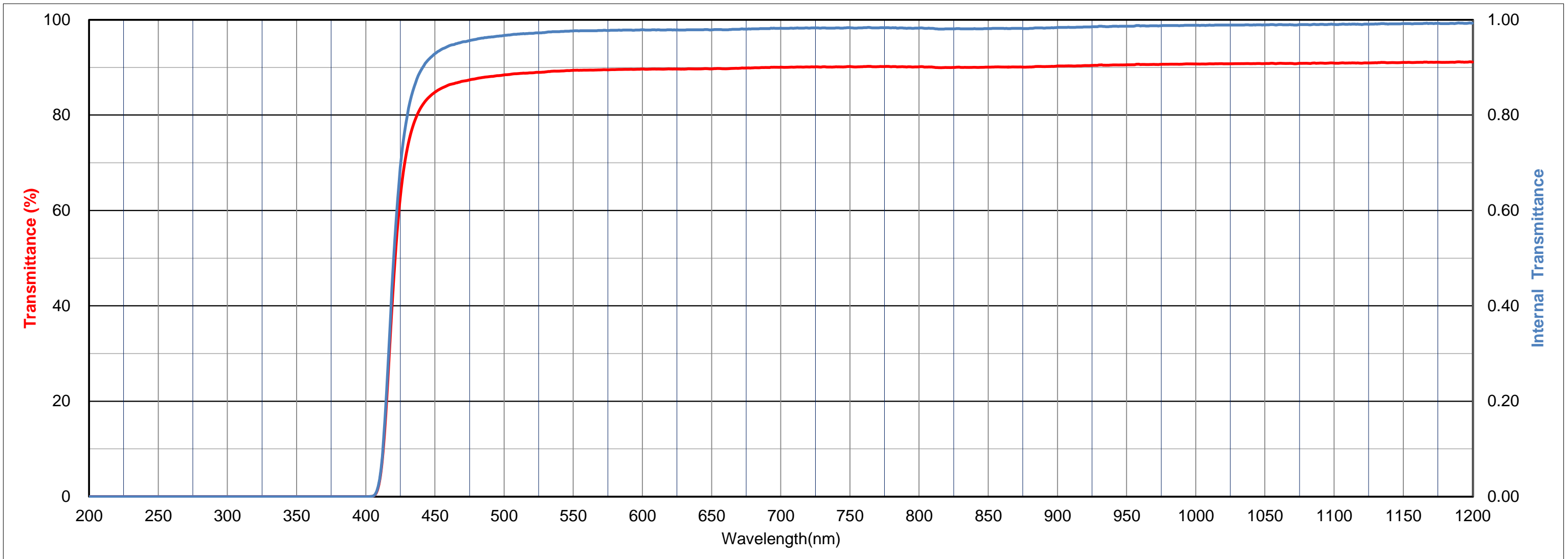
	x	y	Y	λ_d	P_e
A	0.452	0.413	89	580	7
C	0.317	0.330	89	569	6
D65	0.320	0.343	89	569	6

Properties

Chemical		Thermal				Mechanical		Others
D_w	D_A	T_g	T_s	$\alpha_{-30/70}$	$\alpha_{100/300}$	H_K	F_A	d
2	1	550	600	92	105	540	130	2.59

Tolerance of Transmittance (τ)

$\lambda\tau$ (nm)	λL (nm)	λH (nm)
420±5	<360	>530



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	0.036	0.489	0.799	0.895	0.929	0.945	0.953	0.959	0.964	0.967	0.970	0.971	0.973	0.975	0.977	0.977	0.977	0.978	0.978
λ nm	600	610	620	630	640	650	660	670	680	690	700	710	720	730	740	750	760	770	780	790
τ	0.979	0.979	0.979	0.978	0.979	0.979	0.979	0.980	0.981	0.982	0.982	0.982	0.983	0.983	0.983	0.984	0.983	0.983	0.983	0.983
λ nm	800	810	820	830	840	850	860	870	880	890	900	910	920	930	940	950	960	970	980	990
τ	0.983	0.982	0.981	0.981	0.981	0.982	0.982	0.982	0.982	0.983	0.984	0.984	0.985	0.986	0.986	0.987	0.987	0.987	0.988	0.988
λ nm	1000	1010	1020	1030	1040	1050	1060	1070	1080	1090	1100	1110	1120	1130	1140	1150	1160	1170	1180	1190
τ	0.988	0.989	0.989	0.989	0.989	0.989	0.990	0.990	0.990	0.991	0.990	0.991	0.990	0.991	0.991	0.992	0.992	0.992	0.992	0.993
λ nm	1200	1210	1220	1230	1240	1250	1260	1270	1280	1290	1300	1310	1320	1330	1340	1350	1360	1370	1380	1390
τ	0.993	0.993	0.994	0.993	0.994	0.994	0.994	0.994	0.995	0.995	0.995	0.995	0.995	0.996	0.996	0.995	0.995	0.995	0.996	0.995
λ nm	1400	1410	1420	1430	1440	1450	1460	1470	1480	1490	1500	1510	1520	1530	1540	1550	1560	1570	1580	1590
τ	0.993	0.992	0.993	0.994	0.995	0.995	0.996	0.995	0.996	0.996	0.996	0.996	0.996	0.996	0.996	0.997	0.996	0.996	0.997	0.996
λ nm	1600	1610	1620	1630	1640	1650	1660	1670	1680	1690	1700	1710	1720	1730	1740	1750	1760	1770	1780	1790
τ	0.997	0.996	0.996	0.996	0.996	0.996	0.996	0.996	0.995	0.995	0.995	0.995	0.995	0.994	0.994	0.994	0.993	0.993	0.993	0.992
λ nm	1800	1810	1820	1830	1840	1850	1860	1870	1880	1890	1900	1910	1920	1930	1940	1950	1960	1970	1980	1990
τ	0.992	0.991	0.991	0.991	0.990	0.990	0.989	0.989	0.990	0.989	0.988	0.989	0.988	0.988	0.988	0.988	0.987	0.987	0.986	0.986
λ nm	2000	2050	2100	2150	2200	2250	2300	2350	2400	2450	2500	2550	2600	2650	2700	2750	2800	2850	2900	2950
τ	0.986	0.984	0.978	0.972	0.962	0.955	0.955	0.954	0.948	0.941	0.934	0.932	0.921	0.910	0.870	0.440	0.279	0.254	0.238	0.223
λ nm	3000	3050	3100	3150	3200	3250	3300	3350	3400	3450	3500	3550	3600	3650	3700	3750	3800	3850	3900	3950
τ	0.209	0.192	0.175	0.158	0.143	0.130	0.118	0.108	0.098	0.091	0.085	0.082	0.084	0.085	0.086	0.093	0.106	0.120	0.124	0.121
λ nm	4000	4050	4100	4150	4200	4250	4300	4350	4400	4450	4500	4550	4600	4650	4700	4750	4800	4850	4900	4950
τ	0.115	0.110	0.103	0.094	0.081	0.065	0.048	0.033	0.019	0.010	0.004	0.001	0.001	<1E-05	<1E-05	<1E-05	<1E-05	<1E-05	<1E-05	<1E-05
λ nm	5000																			
τ	<1E-05																			

