

Internal Transmittance ( $\tau$ )

$\lambda$ nm	200	210	220	230	240	250	260	270	280	290	300	310	320	330	340	350	360	370	380	390
$\tau$	<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
$\lambda$ nm	400	410	420	430	440	450	460	470	480	490	500	510	520	530	540	550	560	570	580	590
$\tau$	<1E-05	<1E-05	<1E-05	<1E-05	<1E-05	<1E-05	<1E-05	<1E-05	<1E-05	<1E-05	0.004	0.234	0.704	0.894	0.949	0.967	0.973	0.976	0.977	0.978
$\lambda$ nm	600	610	620	630	640	650	660	670	680	690	700	710	720	730	740	750	760	770	780	790
$\tau$	0.978	0.978	0.979	0.978	0.979	0.979	0.979	0.980	0.980	0.981	0.981	0.981	0.982	0.982	0.982	0.982	0.982	0.982	0.982	0.982
$\lambda$ nm	800	810	820	830	840	850	860	870	880	890	900	910	920	930	940	950	960	970	980	990
$\tau$	0.982	0.981	0.979	0.980	0.980	0.980	0.980	0.981	0.981	0.981	0.982	0.983	0.984	0.985	0.985	0.986	0.987	0.987	0.987	0.988
$\lambda$ nm	1000	1010	1020	1030	1040	1050	1060	1070	1080	1090	1100	1120	1140	1160	1180	1200				
$\tau$	0.988	0.988	0.988	0.989	0.989	0.989	0.990	0.990	0.990	0.990	0.990	0.991	0.992	0.992	0.992	0.993				

Refractive Index/Absorption coefficient/Reflection coefficient

$\lambda$ nm	400	500	600	700	800	900	1000
n	1.543	1.534	1.529	1.526	1.524	1.523	1.522
K	3.3E-03	7.2E-05	2.6E-07	1.7E-08	1.8E-09	2.7E-10	5.5E-11
P	0.913	0.915	0.916	0.917	0.917	0.918	0.918

Classes of Bubbles and Inclusions

Bubble Class
3

Color Specification

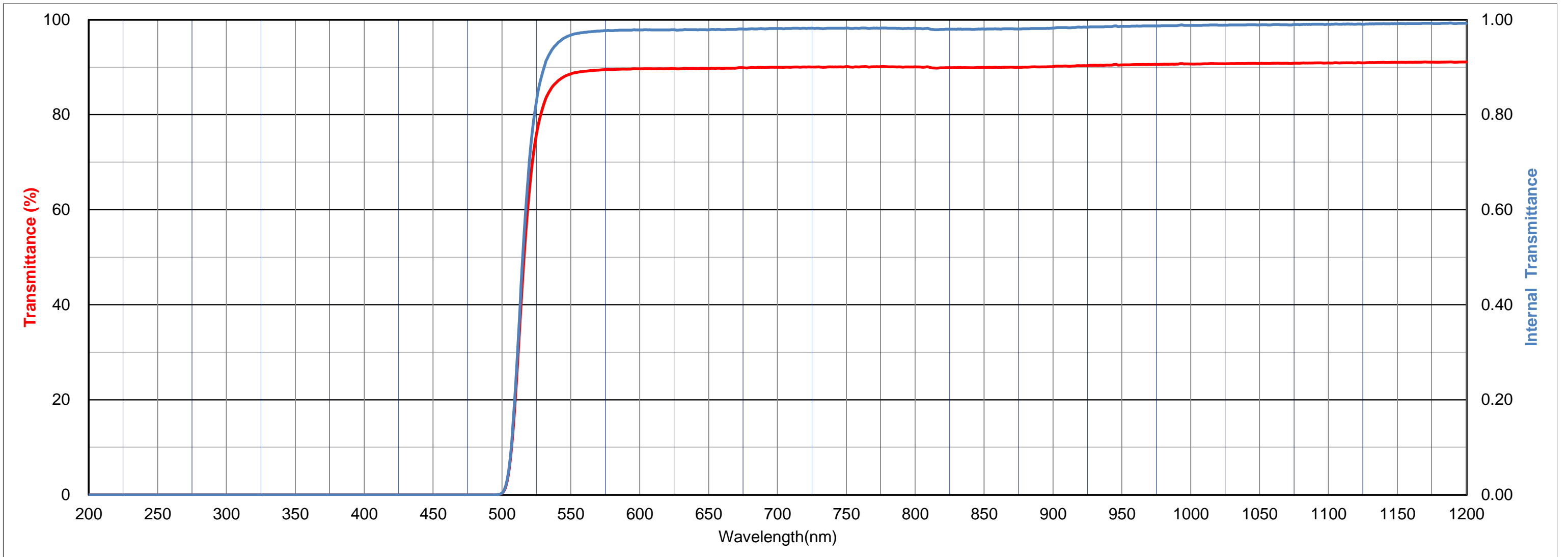
	x	y	Y	$\lambda_d$	$P_e$
A	0.530	0.464	82	583	96
C	0.478	0.512	75	576	98
D65	0.473	0.516	75	575	97

Properties

Chemical		Thermal				Mechanical		Others
$D_w$	$D_A$	Tg	Ts	$\alpha_{-30/70}$	$\alpha_{100/300}$	$H_K$	$F_A$	d
2	1	560	620	96	108	540	130	2.68

Tolerance of Transmittance ( $\tau$ )

$\lambda\tau$ (nm)	$\lambda L$ (nm)	$\lambda H$ (nm)
515±5	<440	>580



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$\lambda$ nm	200	210	220	230	240	250	260	270	280	290	300	310	320	330	340	350	360	370	380	390
$\tau$	<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
$\lambda$ nm	400	410	420	430	440	450	460	470	480	490	500	510	520	530	540	550	560	570	580	590
$\tau$	<1E-05	<1E-05	<1E-05	<1E-05	<1E-05	<1E-05	<1E-05	<1E-05	<1E-05	<1E-05	0.004	0.234	0.704	0.894	0.949	0.967	0.973	0.976	0.977	0.978
$\lambda$ nm	600	610	620	630	640	650	660	670	680	690	700	710	720	730	740	750	760	770	780	790
$\tau$	0.978	0.978	0.979	0.978	0.979	0.979	0.979	0.980	0.980	0.981	0.981	0.981	0.982	0.982	0.982	0.982	0.982	0.982	0.982	0.982
$\lambda$ nm	800	810	820	830	840	850	860	870	880	890	900	910	920	930	940	950	960	970	980	990
$\tau$	0.982	0.981	0.979	0.980	0.980	0.980	0.980	0.981	0.981	0.981	0.982	0.983	0.984	0.985	0.985	0.986	0.987	0.987	0.987	0.988
$\lambda$ nm	1000	1010	1020	1030	1040	1050	1060	1070	1080	1090	1100	1110	1120	1130	1140	1150	1160	1170	1180	1190
$\tau$	0.988	0.988	0.988	0.989	0.989	0.989	0.990	0.990	0.990	0.990	0.990	0.991	0.991	0.991	0.992	0.992	0.992	0.993	0.992	0.992
$\lambda$ nm	1200	1210	1220	1230	1240	1250	1260	1270	1280	1290	1300	1310	1320	1330	1340	1350	1360	1370	1380	1390
$\tau$	0.993	0.992	0.993	0.992	0.993	0.993	0.993	0.994	0.994	0.993	0.994	0.994	0.995	0.995	0.995	0.995	0.994	0.994	0.994	0.994
$\lambda$ nm	1400	1410	1420	1430	1440	1450	1460	1470	1480	1490	1500	1510	1520	1530	1540	1550	1560	1570	1580	1590
$\tau$	0.992	0.991	0.992	0.993	0.994	0.994	0.995	0.995	0.995	0.996	0.996	0.996	0.996	0.996	0.996	0.996	0.996	0.996	0.997	0.996
$\lambda$ nm	1600	1610	1620	1630	1640	1650	1660	1670	1680	1690	1700	1710	1720	1730	1740	1750	1760	1770	1780	1790
$\tau$	0.996	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	0.993	0.993	0.993	0.992	0.992
$\lambda$ nm	1800	1810	1820	1830	1840	1850	1860	1870	1880	1890	1900	1910	1920	1930	1940	1950	1960	1970	1980	1990
$\tau$	0.992	0.991	0.990	0.990	0.989	0.990	0.989	0.989	0.990	0.989	0.987	0.988	0.987	0.988	0.987	0.988	0.987	0.987	0.986	0.986
$\lambda$ nm	2000	2050	2100	2150	2200	2250	2300	2350	2400	2450	2500	2550	2600	2650	2700	2750	2800	2850	2900	2950
$\tau$	0.985	0.984	0.978	0.971	0.961	0.954	0.954	0.953	0.947	0.938	0.931	0.928	0.918	0.906	0.865	0.426	0.265	0.240	0.225	0.210
$\lambda$ nm	3000	3050	3100	3150	3200	3250	3300	3350	3400	3450	3500	3550	3600	3650	3700	3750	3800	3850	3900	3950
$\tau$	0.196	0.180	0.163	0.147	0.132	0.119	0.108	0.098	0.090	0.082	0.077	0.074	0.076	0.077	0.078	0.085	0.097	0.110	0.114	0.111
$\lambda$ nm	4000	4050	4100	4150	4200	4250	4300	4350	4400	4450	4500	4550	4600	4650	4700	4750	4800	4850	4900	4950
$\tau$	0.106	0.100	0.094	0.086	0.073	0.058	0.043	0.028	0.017	0.008	0.003	0.001	0.001	<1E-05	<1E-05	<1E-05	<1E-05	<1E-05	<1E-05	<1E-05
$\lambda$ nm	5000																			
$\tau$	<1E-05																			

