

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	0.001	0.015	0.080	0.200	0.330	0.395	0.404	0.514
λ nm	400	410	420	430	440	450	460	470	480	490	500	510	520	530	540	550	560	570	580	590
τ	0.558	0.558	0.562	0.571	0.569	0.582	0.595	0.594	0.588	0.582	0.579	0.577	0.580	0.584	0.588	0.587	0.583	0.575	0.568	0.567
λ nm	600	610	620	630	640	650	660	670	680	690	700	710	720	730	740	750	760	770	780	790
τ	0.568	0.571	0.573	0.574	0.574	0.575	0.580	0.591	0.607	0.623	0.634	0.640	0.640	0.639	0.637	0.632	0.627	0.621	0.615	0.609
λ nm	800	810	820	830	840	850	860	870	880	890	900	910	920	930	940	950	960	970	980	990
τ	0.604	0.597	0.591	0.583	0.575	0.569	0.563	0.556	0.550	0.544	0.538	0.531	0.525	0.520	0.515	0.511	0.506	0.502	0.499	0.495
λ nm	1000	1010	1020	1030	1040	1050	1060	1070	1080	1090	1100	1120	1140	1160	1180	1200				
τ	0.492	0.493	0.491	0.489	0.487	0.486	0.485	0.484	0.484	0.484	0.484	0.486	0.489	0.493	0.498	0.505				

Refractive Index/Absorption coefficient/Reflection coefficient

λ nm	400	500	600	700	800	900	1000
n	1.527	1.513	1.506	1.502	1.499	1.497	1.495
K	2.1E-05	2.4E-05	3.0E-05	2.8E-05	3.6E-05	4.8E-05	6.1E-05
P	0.917	0.920	0.922	0.923	0.923	0.924	0.924

Classes of Bubbles and Inclusions

Bubble Class
3

Color Specification

	x	y	Y	λ_d	P _e
A	0.446	0.408	53	500	0
C	0.309	0.317	53	494	0
D65	0.311	0.329	53	495	0

Properties

Chemical		Thermal				Mechanical		Others
D _W	D _A	T _g	T _s	α -30/70	α 100/300	H _K	F _A	d
3	2	490	560	-	68	416	124	2.42

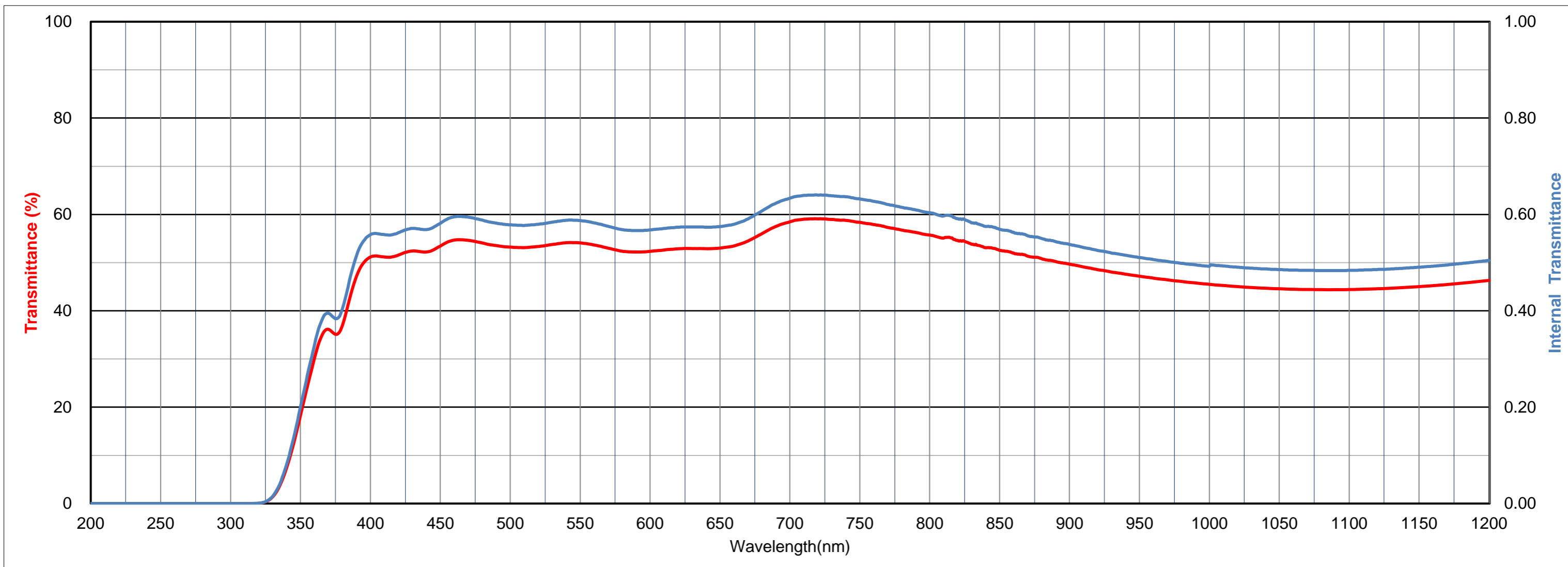
Tolerance of Transmittance (τ)

τ 405 (1)	τ 546 (2)	τ 694 (3)
0.56±0.03	0.57±0.03	0.62±0.03

(1)Internal transmittance at 405nm

(2)Internal transmittance at 546nm

(3)Internal transmittance at 694nm



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	0.001	0.015	0.080	0.200	0.330	0.395	0.404	0.514
λ nm	400	410	420	430	440	450	460	470	480	490	500	510	520	530	540	550	560	570	580	590
τ	0.558	0.558	0.562	0.571	0.569	0.582	0.595	0.594	0.588	0.582	0.579	0.577	0.580	0.584	0.588	0.587	0.583	0.575	0.568	0.567
λ nm	600	610	620	630	640	650	660	670	680	690	700	710	720	730	740	750	760	770	780	790
τ	0.568	0.571	0.573	0.574	0.574	0.575	0.580	0.591	0.607	0.623	0.634	0.640	0.640	0.639	0.637	0.632	0.627	0.621	0.615	0.609
λ nm	800	810	820	830	840	850	860	870	880	890	900	910	920	930	940	950	960	970	980	990
τ	0.604	0.597	0.591	0.583	0.575	0.569	0.563	0.556	0.550	0.544	0.538	0.531	0.525	0.520	0.515	0.511	0.506	0.502	0.499	0.495
λ nm	1000	1010	1020	1030	1040	1050	1060	1070	1080	1090	1100	1110	1120	1130	1140	1150	1160	1170	1180	1190
τ	0.492	0.493	0.491	0.489	0.487	0.486	0.485	0.484	0.484	0.484	0.484	0.485	0.486	0.487	0.489	0.491	0.493	0.495	0.498	0.501
λ nm	1200	1210	1220	1230	1240	1250	1260	1270	1280	1290	1300	1310	1320	1330	1340	1350	1360	1370	1380	1390
τ	0.505	0.508	0.512	0.517	0.521	0.526	0.531	0.536	0.541	0.547	0.553	0.559	0.564	0.570	0.576	0.582	0.588	0.594	0.600	0.605
λ nm	1400	1410	1420	1430	1440	1450	1460	1470	1480	1490	1500	1510	1520	1530	1540	1550	1560	1570	1580	1590
τ	0.610	0.615	0.620	0.625	0.631	0.635	0.640	0.645	0.647	0.651	0.651	0.654	0.657	0.660	0.662	0.664	0.666	0.667	0.668	0.669
λ nm	1600	1610	1620	1630	1640	1650	1660	1670	1680	1690	1700	1710	1720	1730	1740	1750	1760	1770	1780	1790
τ	0.670	0.670	0.670	0.670	0.670	0.670	0.669	0.669	0.669	0.668	0.668	0.668	0.667	0.667	0.667	0.667	0.667	0.667	0.667	0.668
λ nm	1800	1810	1820	1830	1840	1850	1860	1870	1880	1890	1900	1910	1920	1930	1940	1950	1960	1970	1980	1990
τ	0.668	0.669	0.668	0.669	0.668	0.670	0.671	0.671	0.675	0.676	0.676	0.679	0.679	0.682	0.684	0.686	0.687	0.689	0.691	0.692
λ nm	2000	2050	2100	2150	2200	2250	2300	2350	2400	2450	2500	2550	2600	2650	2700	2750	2800	2850	2900	2950
τ	0.694	0.703	0.711	0.715	0.720	0.728	0.738	0.745	0.744	0.748	0.749	0.749	0.752	0.752	0.719	0.341	0.187	0.174	0.188	0.212
λ nm	3000	3050	3100	3150	3200	3250	3300	3350	3400	3450	3500	3550	3600	3650	3700	3750	3800	3850	3900	3950
τ	0.237	0.264	0.294	0.327	0.361	0.389	0.399	0.378	0.321	0.240	0.166	0.109	0.077	0.061	0.075	0.107	0.147	0.165	0.152	0.126
λ nm	4000	4050	4100	4150	4200	4250	4300	4350	4400	4450	4500	4550	4600	4650	4700	4750	4800	4850	4900	4950
τ	0.104	0.099	0.105	0.112	0.113	0.103	0.085	0.064	0.046	0.031	0.020	0.012	0.008	0.004	0.003	0.001	0.001	0.001	0.001	0.001
λ nm	5000																			
τ	<1E-05																			

