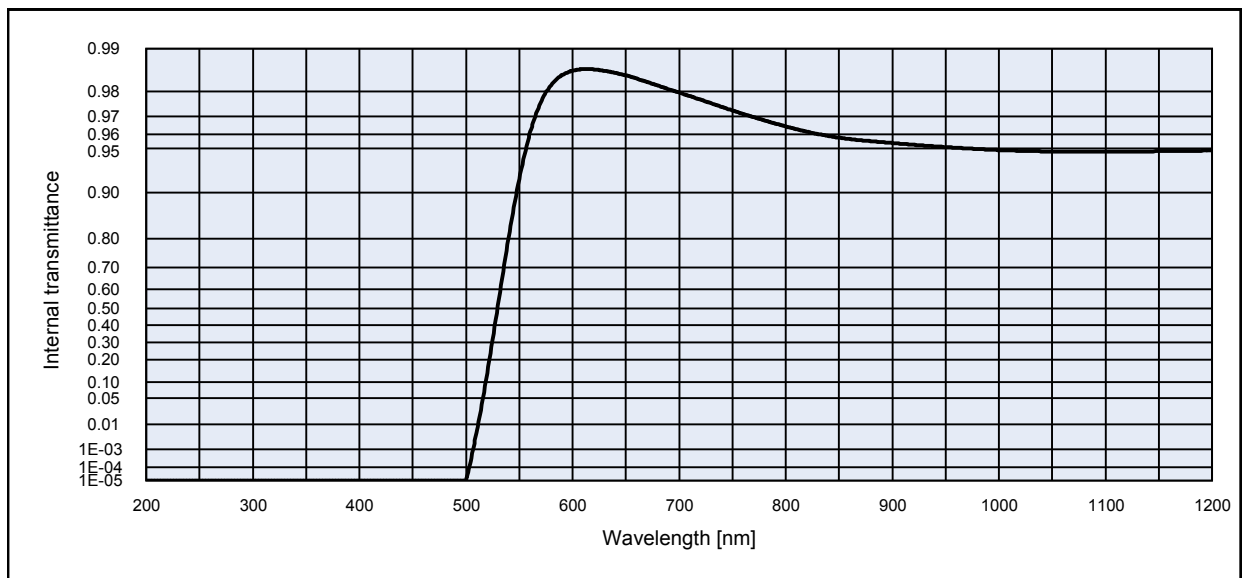
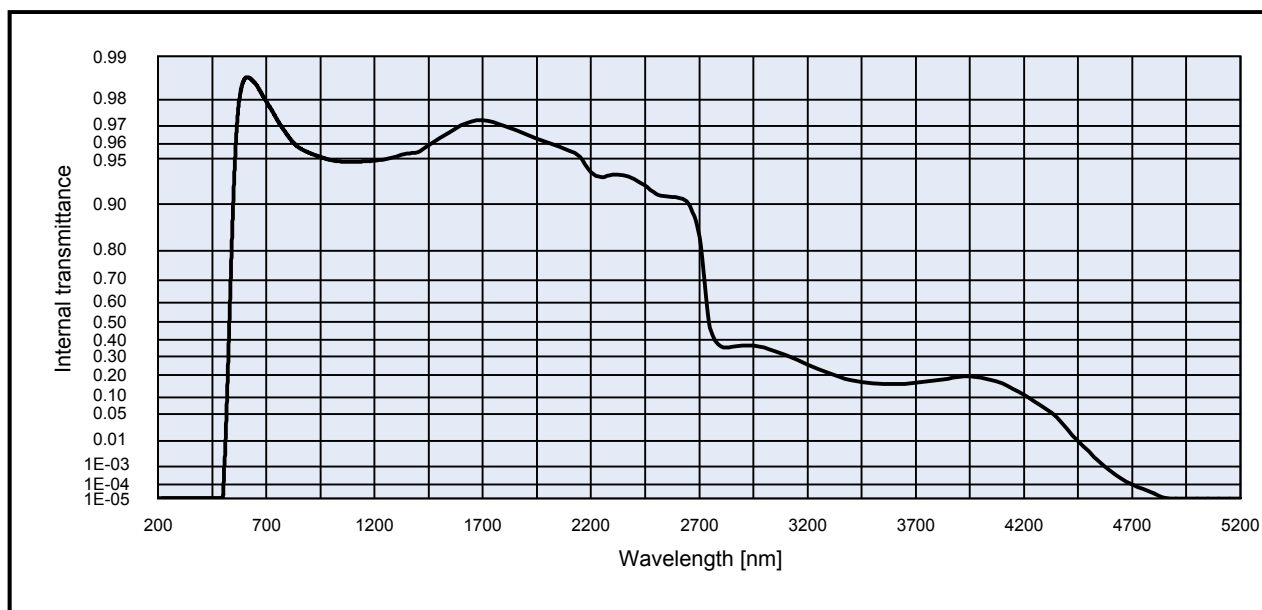


OG530			Density		Notes		
			ρ [g/cm ³]	2.56			
Reflection factor			Bubble content			Colloidally colored glass	
P_d	0.92		Bubble class	3		Long pass filter	
Reference thickness			Chemical resistance				
d [mm]	3		FR class	0			
Spectral values guaranteed			SR class	1.0			
λ_c ($\tau_i = 0.50$) [nm]	= 530 ± 6		AR class	1.0			
λ_s ($\tau_{is} = 1 \cdot 10^{-5}$) [nm]	= 460		Transformation temperature				
λ_p ($\tau_{ip} = 0.93$) [nm]	= 600		T_g [°C]	506			
			Thermal expansion				
			$\alpha_{-30/+70^\circ\text{C}}$ [$10^{-6}/\text{K}$]	7.9			
			$\alpha_{20/300^\circ\text{C}}$ [$10^{-6}/\text{K}$]	9.0			
			$\alpha_{20/200^\circ\text{C}}$ [$10^{-6}/\text{K}$]				
			Temperature coefficient				
Refractive index n			T_k [nm/°C]	0.11		All data without tolerances are to be understood to be reference values. Guaranteed values are only those values listed in the section "Spectral values guaranteed".	
λ [nm]	Element	n					
546	Hg	1.51					
588	He	1.51					
852	Cs	1.51					
1014	Hg	1.50					

Colorimetric evaluation											
Illuminant	A (Planck T = 2856 K)			Illuminant	Planck T = 3200 K			Illuminant	D65 ($T_c = 6504$ K)		
d [mm]	1	2	3	d [mm]	1	2	3	d [mm]	1	2	3
x	0.534	0.545	0.550	x	0.524	0.536	0.542	x	0.476	0.496	0.505
y	0.457	0.452	0.447	y	0.466	0.460	0.454	y	0.501	0.498	0.490
Y	81	78	75	Y	80	76	74	Y	74	69	66
λ_d [nm]	584	585	586	λ_d [nm]	583	584	585	λ_d [nm]	576	578	579
P_e	0.94	0.98	0.98	P_e	0.94	0.98	0.99	P_e	0.94	0.99	0.99





Internal transmittance τ_i at reference thickness d [mm] = 3
The internal transmittance values, tabulated and graphically represented, are reference values only

λ [nm]	τ_i	λ [nm]	τ_i	λ [nm]	τ_i	λ [nm]	τ_i	λ [nm]	τ_i	λ [nm]	τ_i
200	< 1.0E-05	500	< 1.0E-05	800	9.6E-01	1100	9.5E-01	2200	9.4E-01	3700	1.6E-01
210	< 1.0E-05	510	5.2E-03	810	9.6E-01	1110	9.5E-01	2250	9.3E-01	3750	1.7E-01
220	< 1.0E-05	520	1.4E-01	820	9.6E-01	1120	9.5E-01	2300	9.4E-01	3800	1.8E-01
230	< 1.0E-05	530	5.1E-01	830	9.6E-01	1130	9.5E-01	2350	9.4E-01	3850	1.8E-01
240	< 1.0E-05	540	8.0E-01	840	9.6E-01	1140	9.5E-01	2400	9.3E-01	3900	1.9E-01
250	< 1.0E-05	550	9.2E-01	850	9.6E-01	1150	9.5E-01	2450	9.2E-01	3950	1.9E-01
260	< 1.0E-05	560	9.6E-01	860	9.6E-01	1160	9.5E-01	2500	9.1E-01	4000	1.9E-01
270	< 1.0E-05	570	9.8E-01	870	9.6E-01	1170	9.5E-01	2550	9.1E-01	4050	1.8E-01
280	< 1.0E-05	580	9.8E-01	880	9.6E-01	1180	9.5E-01	2600	9.1E-01	4100	1.6E-01
290	< 1.0E-05	590	9.8E-01	890	9.5E-01	1190	9.5E-01	2650	9.0E-01	4150	1.3E-01
300	< 1.0E-05	600	9.9E-01	900	9.5E-01	1200	9.5E-01	2700	8.4E-01	4200	1.1E-01
310	< 1.0E-05	610	9.9E-01	910	9.5E-01	1250	9.5E-01	2750	4.7E-01	4250	8.5E-02
320	< 1.0E-05	620	9.9E-01	920	9.5E-01	1300	9.5E-01	2800	3.6E-01	4300	6.3E-02
330	< 1.0E-05	630	9.9E-01	930	9.5E-01	1350	9.5E-01	2850	3.6E-01	4350	4.3E-02
340	< 1.0E-05	640	9.9E-01	940	9.5E-01	1400	9.5E-01	2900	3.6E-01	4400	2.3E-02
350	< 1.0E-05	650	9.8E-01	950	9.5E-01	1450	9.6E-01	2950	3.6E-01	4450	1.0E-02
360	< 1.0E-05	660	9.8E-01	960	9.5E-01	1500	9.6E-01	3000	3.5E-01	4500	4.3E-03
370	< 1.0E-05	670	9.8E-01	970	9.5E-01	1550	9.7E-01	3050	3.3E-01	4550	1.6E-03
380	< 1.0E-05	680	9.8E-01	980	9.5E-01	1600	9.7E-01	3100	3.1E-01	4600	5.9E-04
390	< 1.0E-05	690	9.8E-01	990	9.5E-01	1650	9.7E-01	3150	2.8E-01	4650	2.3E-04
400	< 1.0E-05	700	9.8E-01	1000	9.5E-01	1700	9.7E-01	3200	2.6E-01	4700	1.0E-04
410	< 1.0E-05	710	9.8E-01	1010	9.5E-01	1750	9.7E-01	3250	2.3E-01	4750	4.9E-05
420	< 1.0E-05	720	9.8E-01	1020	9.5E-01	1800	9.7E-01	3300	2.1E-01	4800	2.4E-05
430	< 1.0E-05	730	9.8E-01	1030	9.5E-01	1850	9.7E-01	3350	1.9E-01	4850	1.1E-05
440	< 1.0E-05	740	9.7E-01	1040	9.5E-01	1900	9.7E-01	3400	1.7E-01	4900	< 1.0E-05
450	< 1.0E-05	750	9.7E-01	1050	9.5E-01	1950	9.6E-01	3450	1.6E-01	4950	< 1.0E-05
460	< 1.0E-05	760	9.7E-01	1060	9.5E-01	2000	9.6E-01	3500	1.6E-01	5000	< 1.0E-05
470	< 1.0E-05	770	9.7E-01	1070	9.5E-01	2050	9.6E-01	3550	1.6E-01	5050	< 1.0E-05
480	< 1.0E-05	780	9.7E-01	1080	9.5E-01	2100	9.6E-01	3600	1.5E-01	5100	< 1.0E-05
490	< 1.0E-05	790	9.7E-01	1090	9.5E-01	2150	9.5E-01	3650	1.6E-01	5150	< 1.0E-05