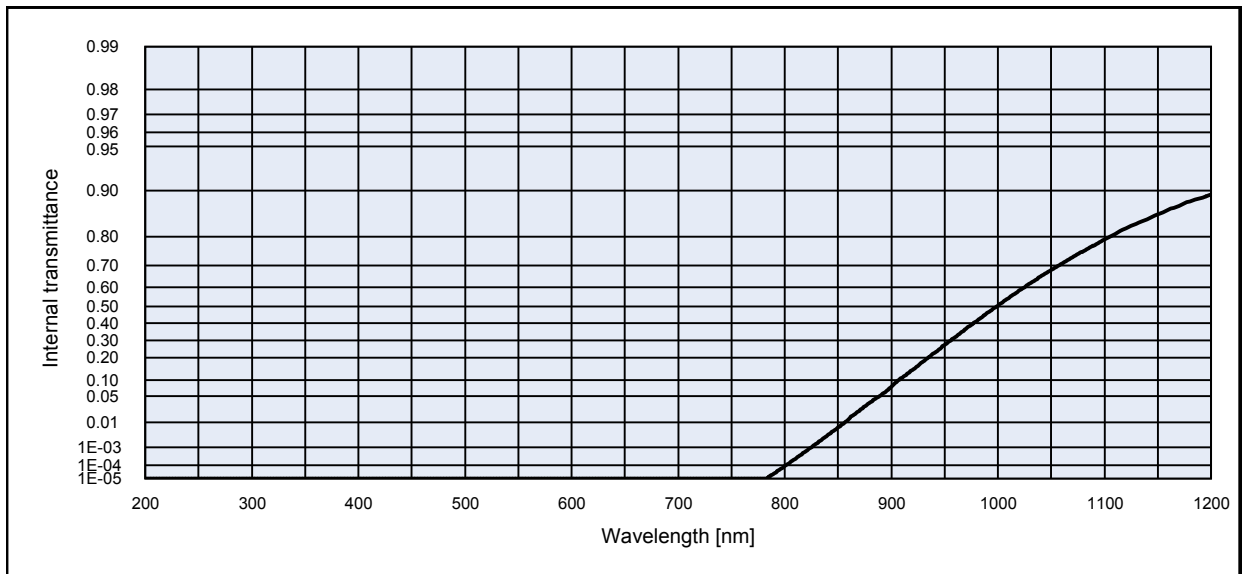
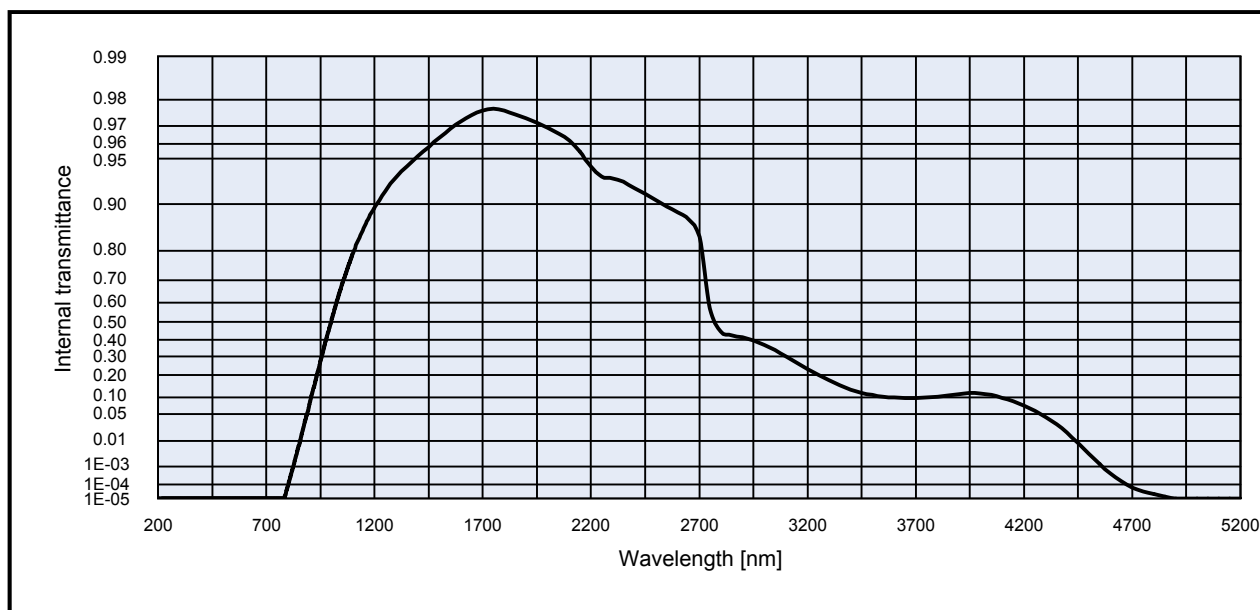


RG1000		Density		Notes		
		ρ [g/cm ³]	2.73	Ionically colored glass		
Reflection factor		Bubble content		Long pass filter		
P_d	0.91	Bubble class	3			
Reference thickness		Chemical resistance				
d [mm]	3	FR class	0			
Spectral values guaranteed		SR class	1.0			
λ_c ($\tau_i = 0.50$) [nm]	= 1000 ± 6	AR class	1.0			
λ_s ($\tau_{is} = 1 \cdot 10^{-5}$) [nm]	= 730	Transformation temperature				
λ_p ($\tau_{ip} = 0.90$) [nm]	= 1300	T_g [°C]	476			
		Thermal expansion				
		$\alpha_{-30/+70^\circ\text{C}}$ [10 ⁻⁶ /K]	9.0			
		$\alpha_{20/300^\circ\text{C}}$ [10 ⁻⁶ /K]	10.3			
		$\alpha_{20/200^\circ\text{C}}$ [10 ⁻⁶ /K]				
Refractive index n		Temperature coefficient		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	T_k [nm/°C]			0.41
587.6	He	1.54				
852.1	Cs	1.53				
1014	Hg	1.53				

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				x				x			
y				y				y			
Y				Y				Y			
λ_d [nm]				λ_d [nm]				λ_d [nm]			
P_e				P_e				P_e			





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	8.4E-05	1100	7.9E-01	2200	9.4E-01	3700	9.8E-02
210	< 1.0E-05	510	< 1.0E-05	810	2.5E-04	1110	8.1E-01	2250	9.3E-01	3750	1.0E-01
220	< 1.0E-05	520	< 1.0E-05	820	6.5E-04	1120	8.2E-01	2300	9.3E-01	3800	1.0E-01
230	< 1.0E-05	530	< 1.0E-05	830	1.6E-03	1130	8.4E-01	2350	9.3E-01	3850	1.1E-01
240	< 1.0E-05	540	< 1.0E-05	840	3.4E-03	1140	8.5E-01	2400	9.2E-01	3900	1.1E-01
250	< 1.0E-05	550	< 1.0E-05	850	6.8E-03	1150	8.6E-01	2450	9.1E-01	3950	1.2E-01
260	< 1.0E-05	560	< 1.0E-05	860	1.3E-02	1160	8.7E-01	2500	9.1E-01	4000	1.2E-01
270	< 1.0E-05	570	< 1.0E-05	870	2.2E-02	1170	8.7E-01	2550	9.0E-01	4050	1.1E-01
280	< 1.0E-05	580	< 1.0E-05	880	3.6E-02	1180	8.8E-01	2600	8.9E-01	4100	9.8E-02
290	< 1.0E-05	590	< 1.0E-05	890	5.2E-02	1190	8.9E-01	2650	8.7E-01	4150	8.6E-02
300	< 1.0E-05	600	< 1.0E-05	900	7.7E-02	1200	8.9E-01	2700	8.4E-01	4200	7.2E-02
310	< 1.0E-05	610	< 1.0E-05	910	1.1E-01	1250	9.2E-01	2750	5.7E-01	4250	5.9E-02
320	< 1.0E-05	620	< 1.0E-05	920	1.4E-01	1300	9.3E-01	2800	4.5E-01	4300	4.3E-02
330	< 1.0E-05	630	< 1.0E-05	930	1.8E-01	1350	9.4E-01	2850	4.2E-01	4350	2.9E-02
340	< 1.0E-05	640	< 1.0E-05	940	2.2E-01	1400	9.5E-01	2900	4.1E-01	4400	1.8E-02
350	< 1.0E-05	650	< 1.0E-05	950	2.7E-01	1450	9.6E-01	2950	3.9E-01	4450	8.5E-03
360	< 1.0E-05	660	< 1.0E-05	960	3.2E-01	1500	9.6E-01	3000	3.7E-01	4500	3.5E-03
370	< 1.0E-05	670	< 1.0E-05	970	3.7E-01	1550	9.7E-01	3050	3.4E-01	4550	1.3E-03
380	< 1.0E-05	680	< 1.0E-05	980	4.1E-01	1600	9.7E-01	3100	3.0E-01	4600	4.4E-04
390	< 1.0E-05	690	< 1.0E-05	990	4.6E-01	1650	9.7E-01	3150	2.6E-01	4650	1.6E-04
400	< 1.0E-05	700	< 1.0E-05	1000	5.0E-01	1700	9.8E-01	3200	2.3E-01	4700	6.4E-05
410	< 1.0E-05	710	< 1.0E-05	1010	5.5E-01	1750	9.8E-01	3250	2.0E-01	4750	3.4E-05
420	< 1.0E-05	720	< 1.0E-05	1020	5.8E-01	1800	9.8E-01	3300	1.8E-01	4800	2.2E-05
430	< 1.0E-05	730	< 1.0E-05	1030	6.2E-01	1850	9.7E-01	3350	1.5E-01	4850	1.4E-05
440	< 1.0E-05	740	< 1.0E-05	1040	6.5E-01	1900	9.7E-01	3400	1.3E-01	4900	< 1.0E-05
450	< 1.0E-05	750	< 1.0E-05	1050	6.8E-01	1950	9.7E-01	3450	1.2E-01	4950	< 1.0E-05
460	< 1.0E-05	760	< 1.0E-05	1060	7.1E-01	2000	9.7E-01	3500	1.1E-01	5000	< 1.0E-05
470	< 1.0E-05	770	< 1.0E-05	1070	7.3E-01	2050	9.7E-01	3550	1.0E-01	5050	< 1.0E-05
480	< 1.0E-05	780	< 1.0E-05	1080	7.5E-01	2100	9.6E-01	3600	9.9E-02	5100	< 1.0E-05
490	< 1.0E-05	790	2.6E-05	1090	7.7E-01	2150	9.6E-01	3650	9.8E-02	5150	< 1.0E-05