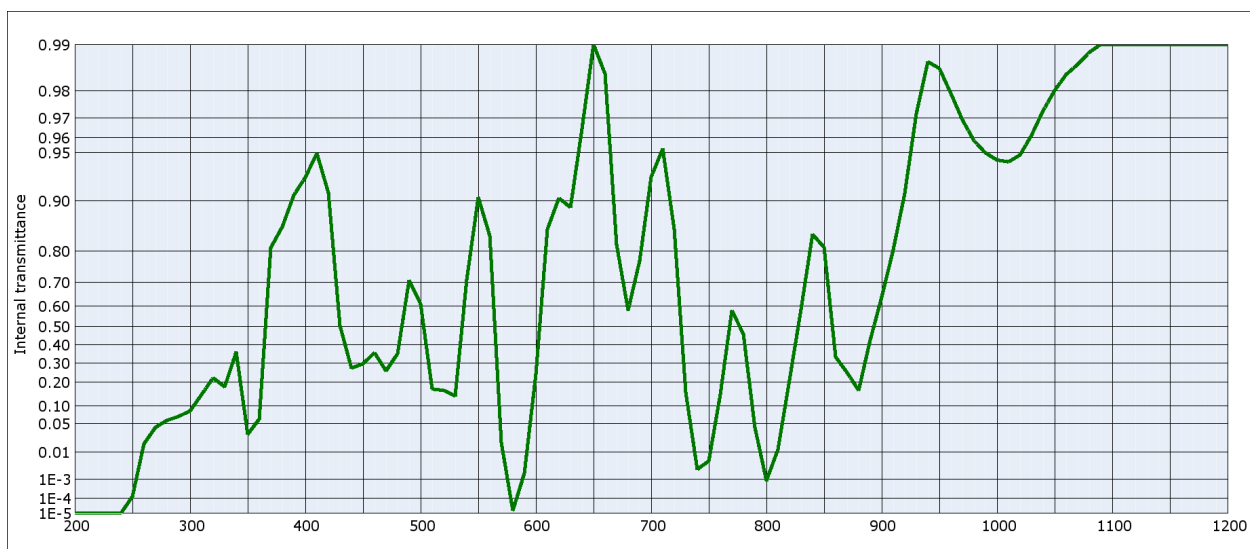


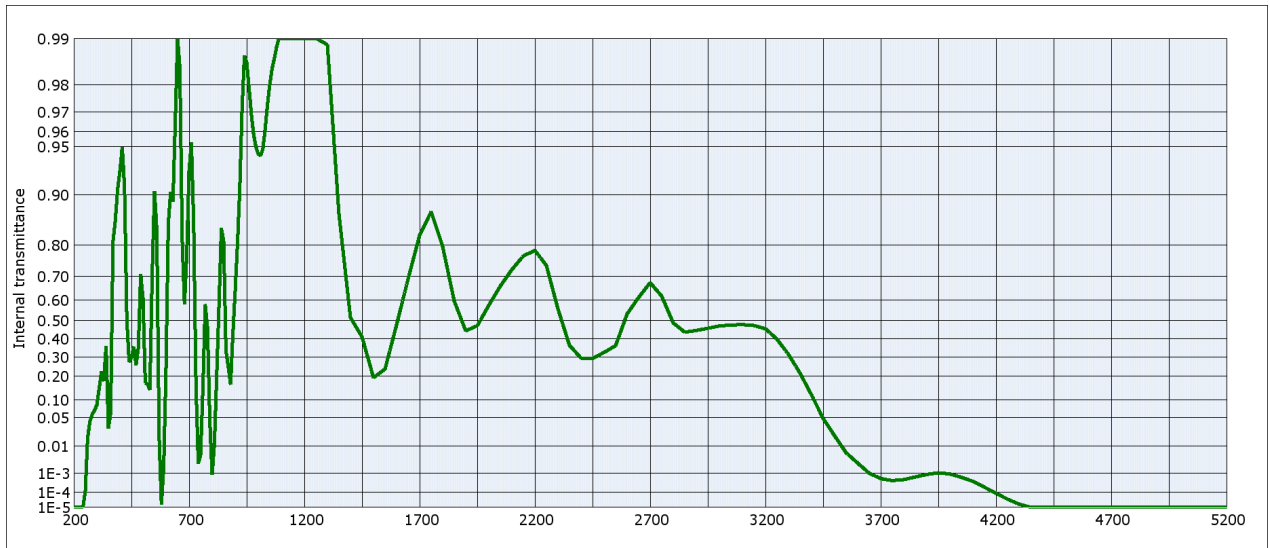
Data Sheet



BG36		Density		Notes	
		ρ [g/cm ³]		Ionically colored glass	
		3.59		Multiband filter	
Reflection factor		Bubble content			
P _d		Bubble class			
0.877		3			
Reference thickness		Chemical Resistance			
d [mm]		FR class			
1		1.0			
		SR class			
		52.2			
		AR class			
		1.2			
Spectral values guaranteed		Transformation temperature			
		T _g [°C]			
		657			
		Thermal expansion			
		α _{30/+70°C} [10 ⁻⁶ /K]			
		6.1			
		α _{20/300°C} [10 ⁻⁶ /K]			
		7.2			
		α _{20/200°C} [10 ⁻⁶ /K]			
Refractive Index n		Temperature coefficient			
n _d (587.6 nm) = 1.690		T _K [nm/°C]			
				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".	

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	0.495	0.534	0.557	x	0.469	0.512	0.537	x	0.344	0.395	0.429
y	0.387	0.390	0.389	y	0.382	0.390	0.391	y	0.327	0.356	0.370
Y	41	32	27	Y	41	31	26	Y	39	29	23
λ _d [nm]	628	600	599	λ _d [nm]	629	599	597	λ _d [nm]	622	591	590
P _e	0.19	0.48	0.63	P _e	0.16	0.44	0.59	P _e	0.08	0.30	0.44





Internal transmittance τ_i at reference thickness $d = 1$ mm
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	$< 10^{-5}$	500	0.608	800	$8.6 \cdot 10^{-4}$	1100	0.995	2200	0.784	3700	$5.6 \cdot 10^{-4}$
210	$< 10^{-5}$	510	0.168	810	$1.2 \cdot 10^{-2}$	1110	0.996	2250	0.737	3750	$4.5 \cdot 10^{-4}$
220	$< 10^{-5}$	520	0.162	820	0.211	1120	0.997	2300	0.557	3800	$5.0 \cdot 10^{-4}$
230	$< 10^{-5}$	530	0.139	830	0.584	1130	0.997	2350	0.364	3850	$6.8 \cdot 10^{-4}$
240	$< 10^{-5}$	540	0.708	840	0.840	1140	0.998	2400	0.294	3900	$8.9 \cdot 10^{-4}$
250	$1.3 \cdot 10^{-4}$	550	0.905	850	0.809	1150	0.998	2450	0.291	3950	$1.1 \cdot 10^{-3}$
260	$1.7 \cdot 10^{-2}$	560	0.837	860	0.333	1160	0.998	2500	0.325	4000	$9.3 \cdot 10^{-4}$
270	$4.2 \cdot 10^{-2}$	570	$1.9 \cdot 10^{-2}$	870	0.248	1170	0.997	2550	0.362	4050	$6.5 \cdot 10^{-4}$
280	$5.8 \cdot 10^{-2}$	580	$1.6 \cdot 10^{-5}$	880	0.163	1180	0.997	2600	0.532	4100	$4.1 \cdot 10^{-4}$
290	$6.8 \cdot 10^{-2}$	590	$1.8 \cdot 10^{-3}$	890	0.426	1190	0.996	2650	0.611	4150	$2.0 \cdot 10^{-4}$
300	$8.4 \cdot 10^{-2}$	600	0.241	900	0.639	1200	0.995	2700	0.674	4200	$8.9 \cdot 10^{-5}$
310	0.145	610	0.851	910	0.802	1250	0.995	2750	0.617	4250	$3.7 \cdot 10^{-5}$
320	0.222	620	0.904	920	0.910	1300	0.989	2800	0.486	4300	$1.7 \cdot 10^{-5}$
330	0.178	630	0.890	930	0.972	1350	0.869	2850	0.436	4350	$< 10^{-5}$
340	0.360	640	0.965	940	0.987	1400	0.513	2900	0.446	4400	$< 10^{-5}$
350	$3.0 \cdot 10^{-2}$	650	0.996	950	0.986	1450	0.411	2950	0.457	4450	$< 10^{-5}$
360	$6.1 \cdot 10^{-2}$	660	0.984	960	0.979	1500	0.193	3000	0.469	4500	$< 10^{-5}$
370	0.808	670	0.816	970	0.969	1550	0.236	3050	0.475	4550	$< 10^{-5}$
380	0.856	680	0.579	980	0.958	1600	0.475	3100	0.477	4600	$< 10^{-5}$
390	0.908	690	0.771	990	0.950	1650	0.689	3150	0.472	4650	$< 10^{-5}$
400	0.929	700	0.929	1000	0.945	1700	0.824	3200	0.455	4700	$< 10^{-5}$
410	0.950	710	0.953	1010	0.943	1750	0.873	3250	0.398	4750	$< 10^{-5}$
420	0.911	720	0.850	1020	0.948	1800	0.795	3300	0.314	4800	$< 10^{-5}$
430	0.503	730	0.153	1030	0.961	1850	0.595	3350	0.215	4850	$< 10^{-5}$
440	0.272	740	$2.6 \cdot 10^{-3}$	1040	0.973	1900	0.443	3400	0.119	4900	$< 10^{-5}$
450	0.296	750	$5.3 \cdot 10^{-3}$	1050	0.980	1950	0.471	3450	$4.9 \cdot 10^{-2}$	4950	$< 10^{-5}$
460	0.356	760	0.146	1060	0.984	2000	0.574	3500	$2.0 \cdot 10^{-2}$	5000	$< 10^{-5}$
470	0.257	770	0.578	1070	0.987	2050	0.660	3550	$6.3 \cdot 10^{-3}$	5050	$< 10^{-5}$
480	0.351	780	0.459	1080	0.989	2100	0.723	3600	$2.7 \cdot 10^{-3}$	5100	$< 10^{-5}$
490	0.706	790	$4.2 \cdot 10^{-2}$	1090	0.992	2150	0.768	3650	$1.0 \cdot 10^{-3}$	5150	$< 10^{-5}$