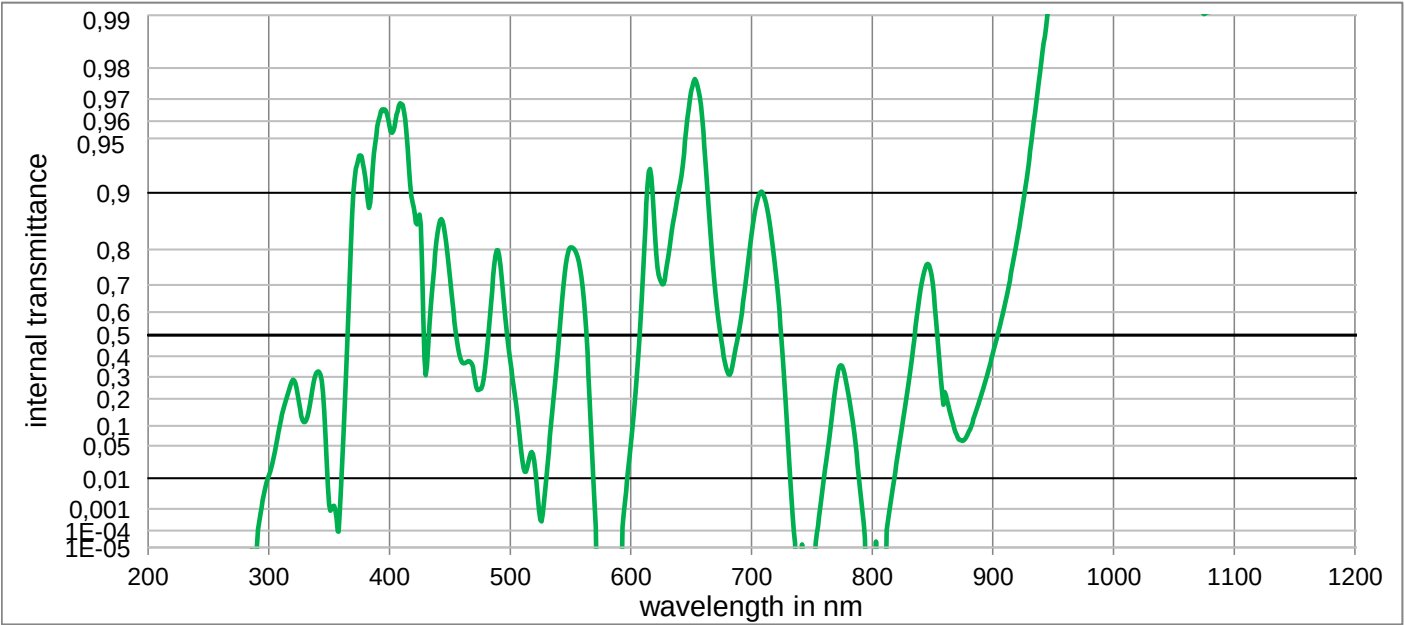
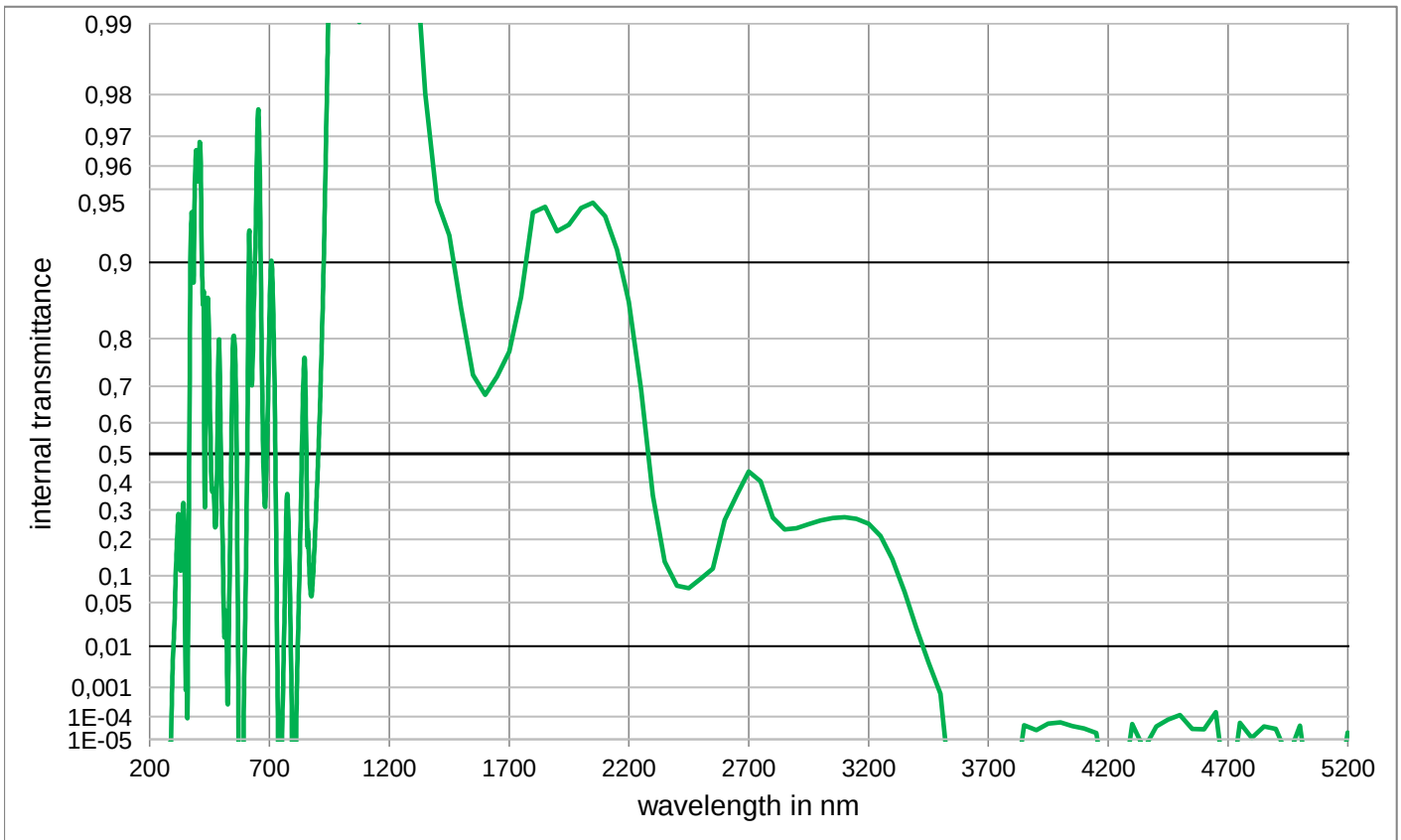


Optical properties		Mechanical properties		Colorimetric properties		
Reflection factor		Reference thickness		1 mm 2 mm 3 mm		
P _d = 0,878		d = 2,50 mm		Illuminant D65	x	
Spectral values guaranteed		Density			y	
τ _i (455 nm)	> 0,71	ρ = 3,49 g/cm³			Y	
τ _i (580 nm)	= 0,002 ± 0,002	Knoop hardness			λ _d	
τ _i (618 nm)	= 0,9 ± 0,030	HK[0.1/20]			P _e	
τ _i (550 nm)	> 0,76			Illuminant A	x	
		Thermal properties			y	
		Transformation temperature			Y	
		T _g = 653 °C			λ _d	
		Thermal expansion in 10 ⁻⁶ /K			P _e	
Refractive indices		α (-30°C/+70°C) = 6,1		Notes		
n _h (404,7 nm)	= 1,7067	α (20°C/300°C) = 7,3				
n _e (546 nm)	= 1,6878					
n _d (587,6 nm)	= 1,6847					
Sellmeier coefficients				Ionically colored glass		
valid from 440 nm to 1550 nm		Chemical properties		Contrast enhancement filter		
B ₁	1,1147	Chemical resistance				
B ₂	0,6697	FR class = 4		ISO 23364:2021		
B ₃	1,3665	SR class = 52.0		Disclaimer		
C ₁	1,721E-02 μm²	AR class = 1.3				
C ₂	1,7511E-13 μm²	Resistance against humidity		All data without tolerances are to be understood to be reference values.		
C ₃	100,000 μm²	Resistant glass				
Internal quality		see pocket catalogue "Optical Filter Glass 2024", chapter 5.5				
Bubble class	-					



S8806A

Internal transmittance τ_i at reference thickness

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	3,756E-01	800	< 1,000E-05	1100	9,956E-01	2200	8,562E-01	3700	
210	< 1,0E-05	510	2,712E-02	810	< 1,000E-05	1110	9,973E-01	2250	6,926E-01	3750	
220	< 1,0E-05	520	2,623E-02	820	2,121E-02	1120	9,982E-01	2300	3,511E-01	3800	
230	< 1,0E-05	530	1,110E-02	830	2,662E-01	1130	9,988E-01	2350	1,347E-01	3850	4,460E-05
240	< 1,0E-05	540	4,537E-01	840	6,804E-01	1140	9,994E-01	2400	7,911E-02	3900	2,669E-05
250	< 1,0E-05	550	8,047E-01	850	7,069E-01	1150	9,997E-01	2450	7,437E-02	3950	5,235E-05
260	< 1,0E-05	560	6,925E-01	860	2,300E-01	1160	9,997E-01	2500	9,294E-02	4000	5,942E-05
270	< 1,0E-05	570	1,587E-03	870	7,556E-02	1170	9,992E-01	2550	1,174E-01	4050	4,125E-05
280	< 1,0E-05	580	< 1,000E-05	880	8,345E-02	1180	9,987E-01	2600	2,638E-01	4100	3,178E-05
290	< 1,0E-05	590	< 1,000E-05	890	2,096E-01	1190	9,971E-01	2650	3,548E-01	4150	2,013E-05
300	1,1E-02	600	5,053E-02	900	4,115E-01	1200	9,943E-01	2700	4,376E-01	4200	
310	1,2E-01	610	7,355E-01	910	6,332E-01	1250	9,918E-01	2750	4,029E-01	4250	
320	2,860E-01	620	8,329E-01	920	8,198E-01	1300	9,964E-01	2800	2,729E-01	4300	4,980E-05
330	1,121E-01	630	7,600E-01	930	9,342E-01	1350	9,802E-01	2850	2,329E-01	4350	< 1,000E-05
340	3,242E-01	640	9,060E-01	940	9,813E-01	1400	9,441E-01	2900	2,364E-01	4400	3,969E-05
350	1,408E-03	650	9,729E-01	950	9,930E-01	1450	9,226E-01	2950	2,500E-01	4450	7,509E-05
360	5,762E-03	660	9,540E-01	960	9,957E-01	1500	8,475E-01	3000	2,630E-01	4500	1,168E-04
370	9,007E-01	670	6,750E-01	970	9,957E-01	1550	7,267E-01	3050	2,713E-01	4550	3,056E-05
380	9,175E-01	680	3,253E-01	980	9,960E-01	1600	6,782E-01	3100	2,735E-01	4600	2,932E-05
390	9,571E-01	690	5,335E-01	990	9,954E-01	1650	7,230E-01	3150	2,685E-01	4650	1,461E-04
400	9,573E-01	700	8,328E-01	1000	9,952E-01	1700	7,761E-01	3200	2,512E-01	4700	
410	9,681E-01	710	8,975E-01	1010	9,953E-01	1750	8,624E-01	3250	2,105E-01	4750	5,584E-05
420	8,796E-01	720	7,394E-01	1020	9,956E-01	1800	9,376E-01	3300	1,410E-01	4800	1,183E-05
430	3,086E-01	730	7,187E-02	1030	9,963E-01	1850	9,409E-01	3350	6,710E-02	4850	3,964E-05
440	8,369E-01	740	< 1,000E-05	1040	9,961E-01	1900	9,254E-01	3400	2,100E-02	4900	3,060E-05
450	7,247E-01	750	< 1,000E-05	1050	9,950E-01	1950	9,299E-01	3450	4,390E-03	4950	< 1,000E-05
460	3,727E-01	760	9,719E-03	1060	9,928E-01	2000	9,400E-01	3500	6,351E-04	5000	4,206E-05
470	3,203E-01	770	2,723E-01	1070	9,904E-01	2050	9,430E-01	3550		5050	
480	3,882E-01	780	2,269E-01	1080	9,904E-01	2100	9,352E-01	3600		5100	
490	7,984E-01	790	5,137E-03	1090	9,931E-01	2150	9,113E-01	3650		5150	