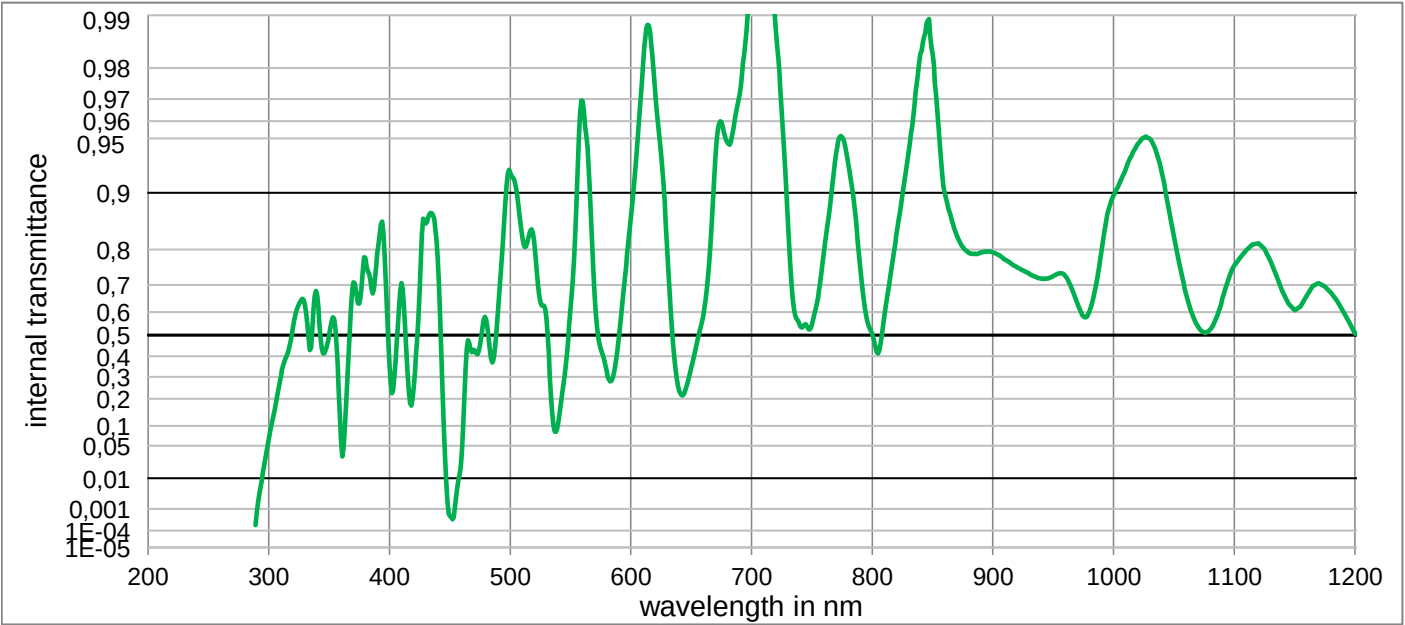
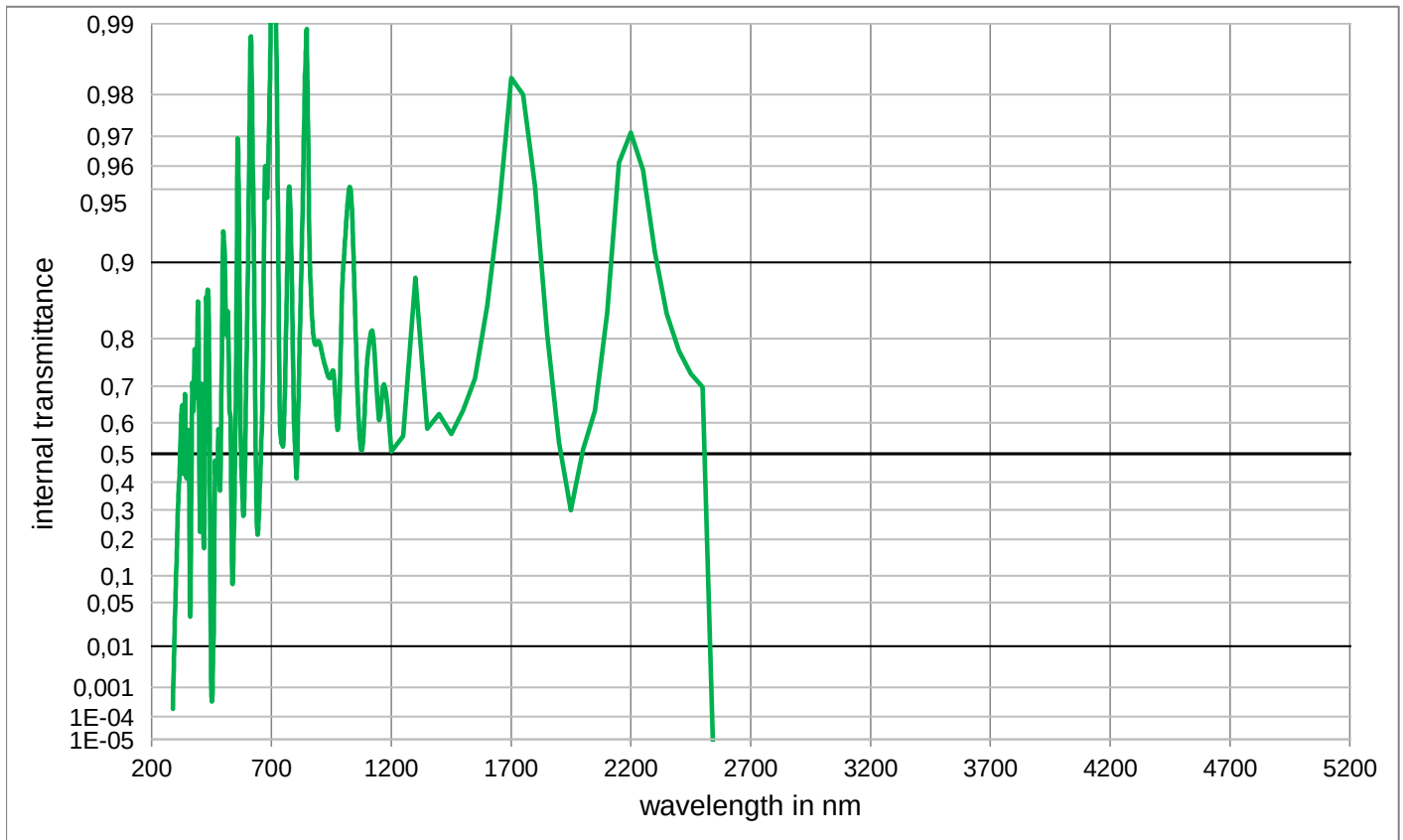


Optical properties	Mechanical properties	Colorimetric properties
Reflection factor	Reference thickness	1 mm2 mm3 mm
$P_d = 0,880$	$d = 2,00 \text{ mm}$	Illuminant D65
Spectral values guaranteed	Density	x
$\tau_i (805 \text{ nm}) = 0,414 \pm 0,028$	$\rho = 3,58 \text{ g/cm}^3$	y
$\tau_i (976 \text{ nm}) = 0,578 \pm 0,034$	Knoop hardness	Y
$\tau_i (1222 \text{ nm}) = 0,323 \pm 0,023$	HK[0.1/20]	λ_d
$\tau_i (1945 \text{ nm}) = 0,29 \pm 0,023$		P_e
$\tau_i (710 \text{ nm}) \geq 0,966$		Illuminant A
	Thermal properties	x
	Transformation temperature	y
	$T_g = 659 \text{ }^\circ\text{C}$	Y
Refractive indices	Thermal expansion in $10^{-6}/\text{K}$	λ_d
	$\alpha (20^\circ\text{C}/300^\circ\text{C}) = 7,2$	P_e
$n_d (587,6 \text{ nm}) = 1,678$		
Sellmeier coefficients	Chemical properties	Notes
on request	Chemical resistance	
	FR class = -	Ionically colored glass
	SR class = -	
	AR class = -	
	Resistance against humidity	ISO 23364:2021
	Resistant glass	
Internal quality	see pocket catalogue "Optical Filter Glass 2024", chapter 5.5	Disclaimer
Bubble class 2		All data without tolerances are to be understood to be reference values.



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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	9,223E-01	800	5,049E-01	1100	7,593E-01	2200	9,710E-01	3700	
210	< 1,0E-05	510	8,278E-01	810	5,805E-01	1110	7,978E-01	2250	9,585E-01	3750	
220	< 1,0E-05	520	8,179E-01	820	8,305E-01	1120	8,142E-01	2300	9,092E-01	3800	
230	< 1,0E-05	530	5,710E-01	830	9,396E-01	1130	7,717E-01	2350	8,398E-01	3850	
240	< 1,0E-05	540	1,134E-01	840	9,835E-01	1140	6,787E-01	2400	7,774E-01	3900	
250	< 1,0E-05	550	6,050E-01	850	9,833E-01	1150	6,080E-01	2450	7,296E-01	3950	
260	< 1,0E-05	560	9,692E-01	860	9,003E-01	1160	6,624E-01	2500	6,979E-01	4000	
270	< 1,0E-05	570	6,676E-01	870	8,321E-01	1170	7,053E-01	2550		4050	
280	< 1,0E-05	580	3,229E-01	880	7,920E-01	1180	6,737E-01	2600		4100	
290	7,4E-04	590	4,870E-01	890	7,927E-01	1190	6,053E-01	2650		4150	
300	6,4E-02	600	8,614E-01	900	7,931E-01	1200	5,074E-01	2700		4200	
310	3,1E-01	610	9,807E-01	910	7,746E-01	1250	5,581E-01	2750		4250	
320	5,353E-01	620	9,737E-01	920	7,541E-01	1300	8,846E-01	2800		4300	
330	6,291E-01	630	8,132E-01	930	7,354E-01	1350	5,817E-01	2850		4350	
340	6,630E-01	640	2,353E-01	940	7,207E-01	1400	6,255E-01	2900		4400	
350	5,002E-01	650	3,410E-01	950	7,278E-01	1450	5,655E-01	2950		4450	
360	6,054E-02	660	5,866E-01	960	7,282E-01	1500	6,359E-01	3000		4500	
370	7,091E-01	670	9,356E-01	970	6,340E-01	1550	7,190E-01	3050		4550	
380	7,802E-01	680	9,473E-01	980	6,015E-01	1600	8,507E-01	3100		4600	
390	7,899E-01	690	9,717E-01	990	7,979E-01	1650	9,396E-01	3150		4650	
400	3,551E-01	700	9,941E-01	1000	8,961E-01	1700	9,830E-01	3200		4700	
410	7,061E-01	710	9,983E-01	1010	9,259E-01	1750	9,800E-01	3250		4750	
420	2,536E-01	720	9,879E-01	1020	9,464E-01	1800	9,516E-01	3300		4800	
430	8,538E-01	730	8,645E-01	1030	9,499E-01	1850	8,076E-01	3350		4850	
440	7,831E-01	740	5,461E-01	1040	9,218E-01	1900	5,381E-01	3400		4900	
450	5,000E-04	750	5,475E-01	1050	8,292E-01	1950	2,986E-01	3450		4950	
460	3,825E-02	760	7,924E-01	1060	6,715E-01	2000	5,150E-01	3500		5000	
470	4,309E-01	770	9,394E-01	1070	5,371E-01	2050	6,356E-01	3550		5050	
480	5,707E-01	780	9,316E-01	1080	5,246E-01	2100	8,405E-01	3600		5100	
490	6,053E-01	790	7,605E-01	1090	6,477E-01	2150	9,613E-01	3650		5150	