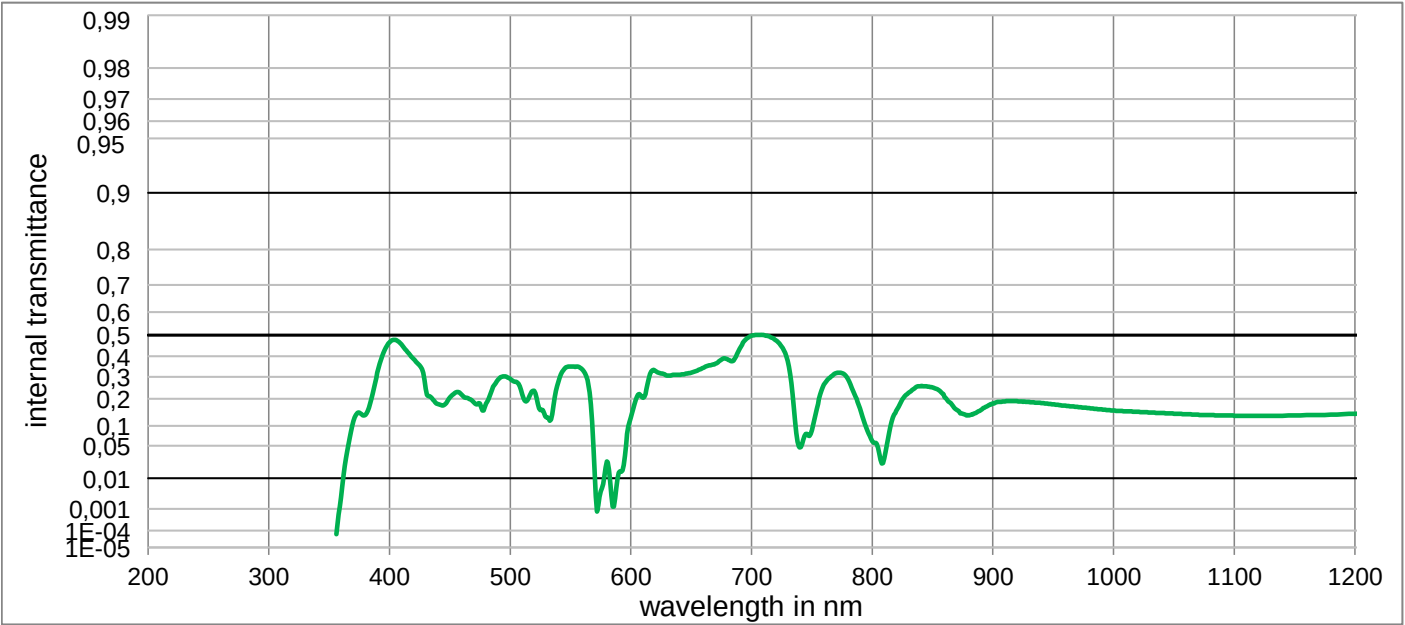
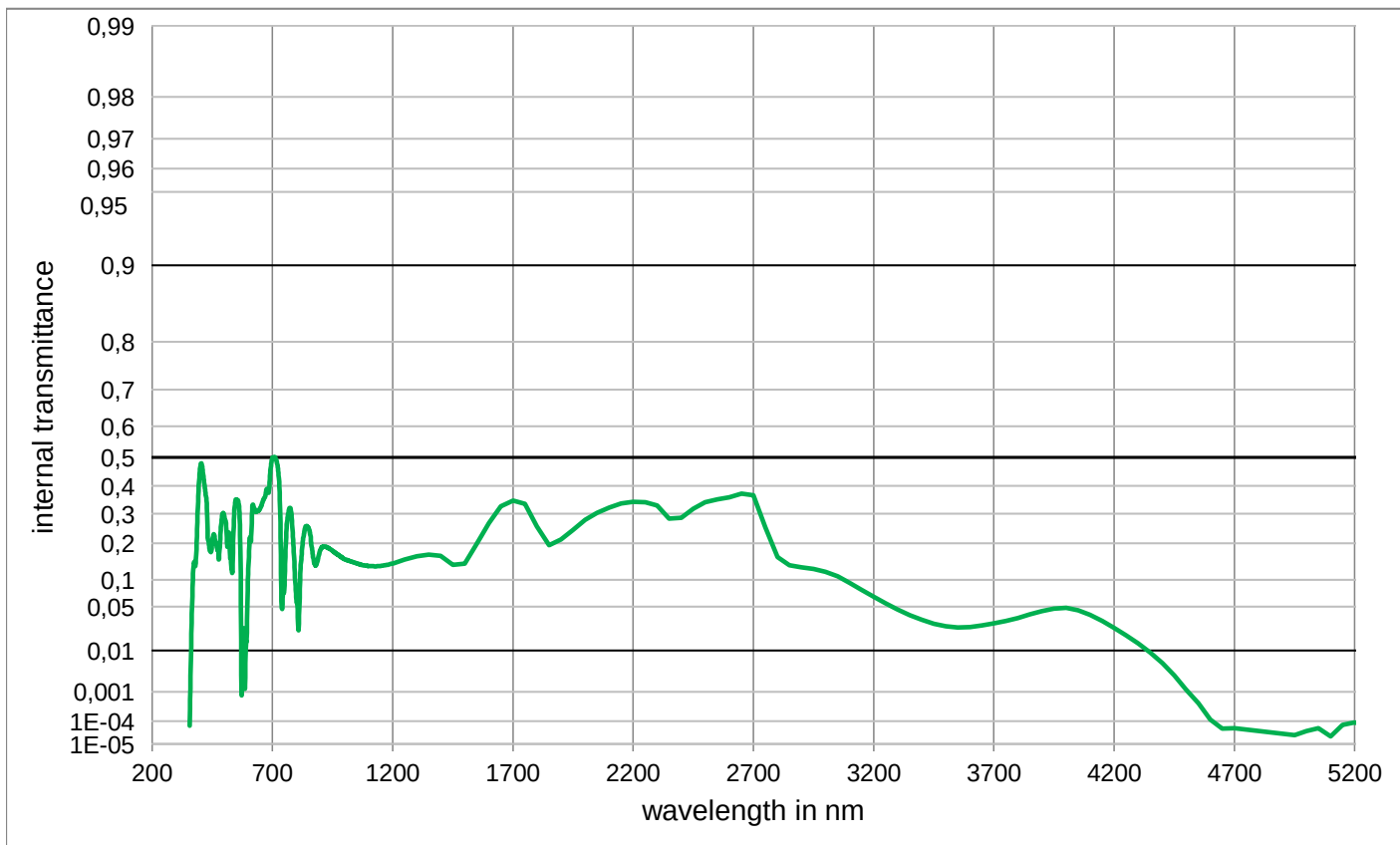


Optical properties	Mechanical properties	Colorimetric properties
Reflection factor	Reference thickness	1 mm2 mm3 mm
$P_d = 0,915$	$d = 3,50 \text{ mm}$	Illuminant D65
Spectral values guaranteed	Density	x
$\tau_i (445 \text{ nm}) = 0,15 \pm 0,025$	$\rho = 2,70 \text{ g/cm}^3$	y
$\tau_i (555 \text{ nm}) = 0,305 \pm 0,035$	Knoop hardness	Y
$\tau_i (630 \text{ nm}) = 0,275 \pm 0,035$	HK[0.1/20]	λ_d
		P_e
		Illuminant A
		x
		y
		Y
		λ_d
		P_e
Refractive indices	Thermal properties	Notes
	Transformation temperature	
	$T_g = 510 \text{ }^\circ\text{C}$	
	Thermal expansion in $10^{-6}/\text{K}$	
$n_d (587,6 \text{ nm}) = 1,533$	$\alpha (20^\circ\text{C}/300^\circ\text{C}) = 10,8$	
Sellmeier coefficients	Chemical properties	
on request	Chemical resistance	
	FR class = 0	
	SR class = 1.0	
	AR class = 1.0	
	Resistance against humidity	
	Resistant glass	
Internal quality	see pocket catalogue "Optical Filter Glass 2024", chapter 5.5	
Bubble class 0		



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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	2,896E-01	800	5,938E-02	1100	1,335E-01	2200	3,427E-01	3700	2,912E-02
210	< 1,0E-05	510	2,193E-01	810	2,875E-02	1110	1,334E-01	2250	3,415E-01	3750	3,168E-02
220	< 1,0E-05	520	2,346E-01	820	1,510E-01	1120	1,331E-01	2300	3,298E-01	3800	3,501E-02
230	< 1,0E-05	530	1,277E-01	830	2,257E-01	1130	1,331E-01	2350	2,833E-01	3850	3,929E-02
240	< 1,0E-05	540	2,777E-01	840	2,563E-01	1140	1,334E-01	2400	2,858E-01	3900	4,375E-02
250	< 1,0E-05	550	3,506E-01	850	2,499E-01	1150	1,341E-01	2450	3,180E-01	3950	4,716E-02
260	< 1,0E-05	560	3,339E-01	860	2,056E-01	1160	1,353E-01	2500	3,404E-01	4000	4,799E-02
270	< 1,0E-05	570	1,558E-02	870	1,562E-01	1170	1,361E-01	2550	3,510E-01	4050	4,507E-02
280	< 1,0E-05	580	2,479E-02	880	1,342E-01	1180	1,373E-01	2600	3,584E-01	4100	3,911E-02
290	< 1,0E-05	590	1,384E-02	890	1,547E-01	1190	1,387E-01	2650	3,715E-01	4150	3,192E-02
300	< 1,0E-05	600	1,262E-01	900	1,799E-01	1200	1,407E-01	2700	3,654E-01	4200	2,508E-02
310	< 1,0E-05	610	2,039E-01	910	1,893E-01	1250	1,512E-01	2750	2,525E-01	4250	1,899E-02
320	< 1,000E-05	620	3,306E-01	920	1,902E-01	1300	1,606E-01	2800	1,581E-01	4300	1,370E-02
330	< 1,000E-05	630	3,067E-01	930	1,869E-01	1350	1,656E-01	2850	1,361E-01	4350	9,150E-03
340	< 1,000E-05	640	3,100E-01	940	1,825E-01	1400	1,623E-01	2900	1,305E-01	4400	5,447E-03
350	< 1,000E-05	650	3,202E-01	950	1,769E-01	1450	1,367E-01	2950	1,264E-01	4450	2,797E-03
360	2,721E-03	660	3,436E-01	960	1,712E-01	1500	1,402E-01	3000	1,191E-01	4500	1,146E-03
370	1,147E-01	670	3,631E-01	970	1,663E-01	1550	1,984E-01	3050	1,076E-01	4550	4,483E-04
380	1,358E-01	680	3,854E-01	980	1,615E-01	1600	2,675E-01	3100	9,357E-02	4600	1,161E-04
390	3,197E-01	690	4,354E-01	990	1,568E-01	1650	3,258E-01	3150	7,907E-02	4650	4,912E-05
400	4,675E-01	700	4,973E-01	1000	1,526E-01	1700	3,471E-01	3200	6,593E-02	4700	5,289E-05
410	4,563E-01	710	5,003E-01	1010	1,501E-01	1750	3,352E-01	3250	5,475E-02	4750	-
420	3,863E-01	720	4,765E-01	1020	1,477E-01	1800	2,551E-01	3300	4,581E-02	4800	-
430	2,438E-01	730	3,768E-01	1030	1,454E-01	1850	1,944E-01	3350	3,869E-02	4850	-
440	1,778E-01	740	4,625E-02	1040	1,433E-01	1900	2,119E-01	3400	3,324E-02	4900	-
450	2,059E-01	750	8,774E-02	1050	1,411E-01	1950	2,430E-01	3450	2,897E-02	4950	2,537E-05
460	2,162E-01	760	2,625E-01	1060	1,392E-01	2000	2,785E-01	3500	2,641E-02	5000	3,913E-05
470	1,852E-01	770	3,179E-01	1070	1,368E-01	2050	3,028E-01	3550	2,529E-02	5050	5,170E-05
480	1,795E-01	780	2,880E-01	1080	1,355E-01	2100	3,221E-01	3600	2,587E-02	5100	2,262E-05
490	2,862E-01	790	1,602E-01	1090	1,347E-01	2150	3,373E-01	3650	2,724E-02	5150	7,095E-05