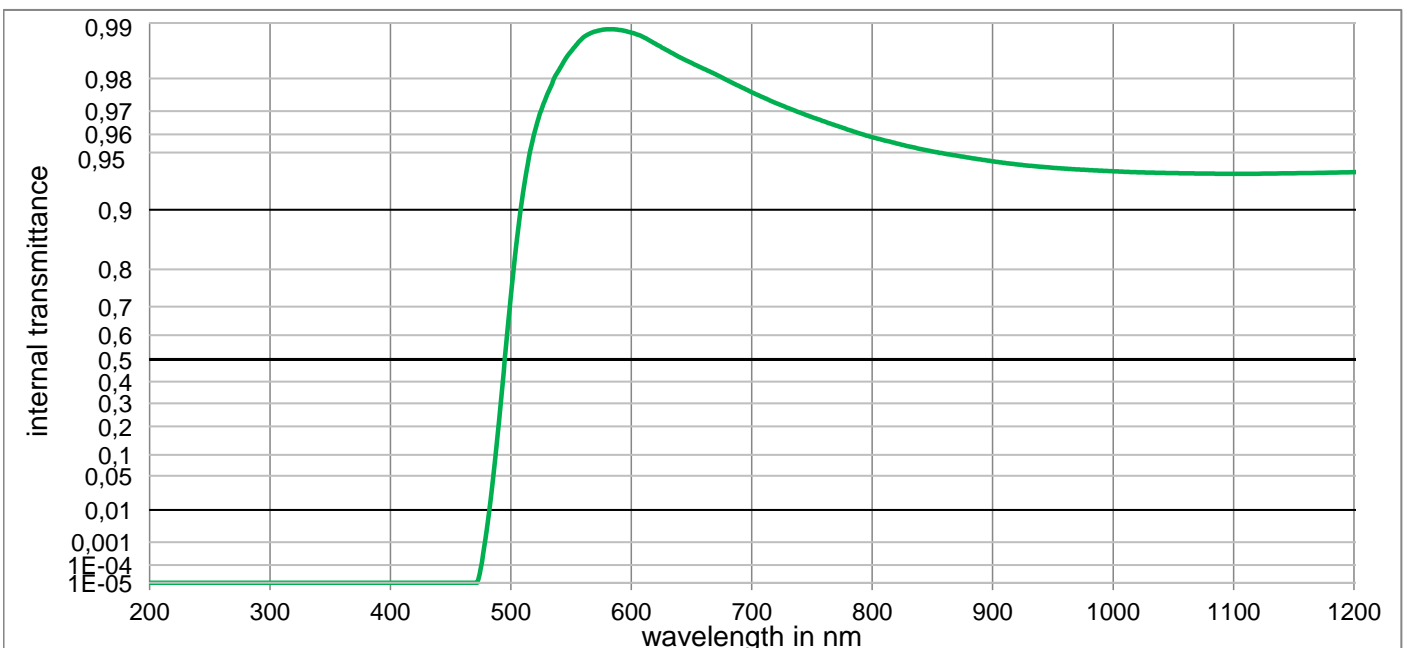
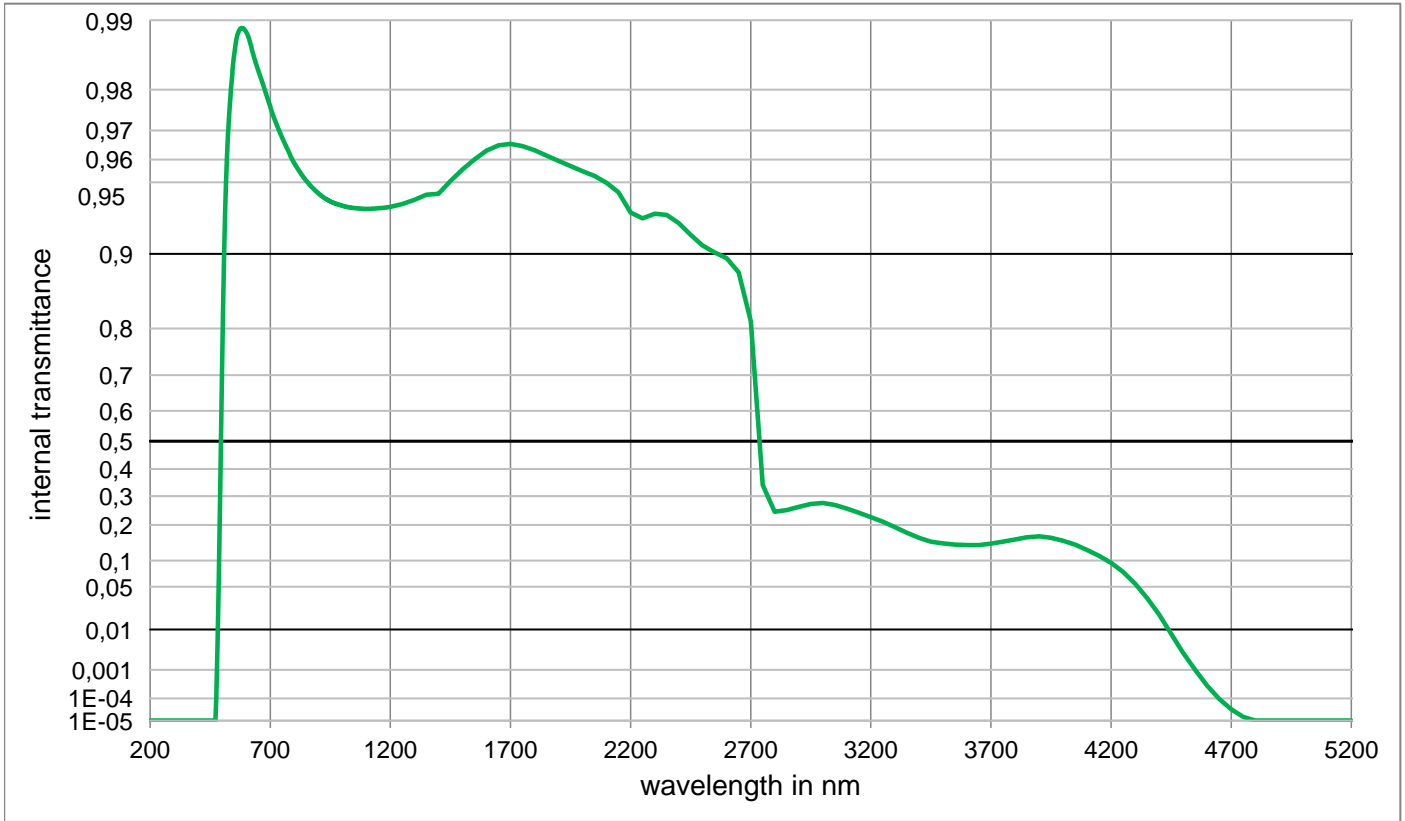


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Optical properties	Mechanical properties	Colorimetric properties
Reflection factor	Reference thickness	1 mm 2 mm 3 mm
$P_d = 0,917$	$d = 3,00 \text{ mm}$	Illuminant D65
Spectral values guaranteed (d = 3 mm)	Density	x 0,422 0,433 0,438
$\lambda_{i,0,5} = 495 \text{ nm} \pm 6 \text{ nm}$	$\rho = 2,56 \text{ g/cm}^3$	y 0,514 0,525 0,527
$\lambda_s (\tau_{i,U} = 1E-05) = 430 \text{ nm}$	Knoop hardness	Y 86,7 85,1 84,0
$\lambda_p (\tau_{i,L} = 0,92) = 560 \text{ nm}$	$HK_{[0,1/20]} = 501$	λ_d 570 nm 571 nm 571 nm
		P_e 0,824 0,887 0,904
		Illuminant A
	Thermal properties	x 0,502 0,507 0,509
	Transformation temperature	y 0,469 0,472 0,472
	$T_g = 535 \text{ }^\circ\text{C}$	Y 89,5 88,5 87,7
	Thermal expansion in $10^{-6}/\text{K}$	λ_d 580 nm 581 nm 581 nm
Refractive indices	$\alpha_{(-30^\circ\text{C}/+70^\circ\text{C})} = 8,1$	P_e 0,807 0,862 0,880
$n_d (587,6 \text{ nm}) = 1,52$	$\alpha_{(20^\circ\text{C}/300^\circ\text{C})} = 9,4$	
$n_s (852 \text{ nm}) = 1,52$	Temperature coefficient	
$n_t (1014 \text{ nm}) = 1,51$	$Tk = 0,1 \text{ nm/K}$	
		Notes
Sellmeier coefficients	Chemical properties	
valid from 400 nm to 2400 nm	Chemical resistance	Stricking glass
$B_1 = 1,2863$	FR class = 0	Longpass filter
$B_2 = 0,0012$	SR class = 1	
$B_3 = 0,8815$	AR class = 1	
$C_1 = 9,397E-03 \text{ } \mu\text{m}^2$	Resistance against humidity	
$C_2 = 1,5104E-01 \text{ } \mu\text{m}^2$	Resistant glass	ISO 23364:2021
$C_3 = 106,389 \text{ } \mu\text{m}^2$	see pocket catalogue "Optical Filter Glass 2024", chapter 5.5	Disclaimer
Internal quality		All data without tolerances are to be understood to be reference values.
Bubble class 3		



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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	7,321E-01	800	9,586E-01	1100	9,352E-01	2200	9,329E-01	3700	1,435E-01
210	< 1,0E-05	510	9,185E-01	810	9,569E-01	1110	9,352E-01	2250	9,289E-01	3750	1,488E-01
220	< 1,0E-05	520	9,617E-01	820	9,553E-01	1120	9,352E-01	2300	9,320E-01	3800	1,553E-01
230	< 1,0E-05	530	9,755E-01	830	9,537E-01	1130	9,353E-01	2350	9,313E-01	3850	1,619E-01
240	< 1,0E-05	540	9,821E-01	840	9,522E-01	1140	9,355E-01	2400	9,256E-01	3900	1,643E-01
250	< 1,0E-05	550	9,858E-01	850	9,507E-01	1150	9,356E-01	2450	9,166E-01	3950	1,600E-01
260	< 1,0E-05	560	9,880E-01	860	9,493E-01	1160	9,357E-01	2500	9,077E-01	4000	1,521E-01
270	< 1,0E-05	570	9,889E-01	870	9,481E-01	1170	9,359E-01	2550	9,014E-01	4050	1,405E-01
280	< 1,0E-05	580	9,892E-01	880	9,468E-01	1180	9,360E-01	2600	8,958E-01	4100	1,265E-01
290	< 1,0E-05	590	9,891E-01	890	9,456E-01	1190	9,362E-01	2650	8,808E-01	4150	1,113E-01
300	< 1,0E-05	600	9,887E-01	900	9,443E-01	1200	9,364E-01	2700	8,125E-01	4200	9,490E-02
310	< 1,0E-05	610	9,881E-01	910	9,432E-01	1250	9,382E-01	2750	3,410E-01	4250	7,570E-02
320	< 1,000E-05	620	9,870E-01	920	9,422E-01	1300	9,407E-01	2800	2,445E-01	4300	5,470E-02
330	< 1,000E-05	630	9,859E-01	930	9,413E-01	1350	9,435E-01	2850	2,499E-01	4350	3,490E-02
340	< 1,000E-05	640	9,847E-01	940	9,405E-01	1400	9,441E-01	2900	2,611E-01	4400	1,910E-02
350	< 1,000E-05	650	9,835E-01	950	9,398E-01	1450	9,506E-01	2950	2,714E-01	4450	8,150E-03
360	< 1,000E-05	660	9,823E-01	960	9,391E-01	1500	9,560E-01	3000	2,751E-01	4500	2,939E-03
370	< 1,000E-05	670	9,810E-01	970	9,386E-01	1550	9,601E-01	3050	2,686E-01	4550	1,008E-03
380	< 1,000E-05	680	9,795E-01	980	9,381E-01	1600	9,634E-01	3100	2,558E-01	4600	3,020E-04
390	< 1,000E-05	690	9,779E-01	990	9,376E-01	1650	9,653E-01	3150	2,409E-01	4650	9,616E-05
400	< 1,000E-05	700	9,763E-01	1000	9,371E-01	1700	9,657E-01	3200	2,257E-01	4700	3,420E-05
410	< 1,000E-05	710	9,746E-01	1010	9,367E-01	1750	9,650E-01	3250	2,105E-01	4750	1,528E-05
420	< 1,000E-05	720	9,729E-01	1020	9,364E-01	1800	9,636E-01	3300	1,931E-01	4800	< 1,000E-05
430	< 1,000E-05	730	9,712E-01	1030	9,361E-01	1850	9,616E-01	3350	1,754E-01	4850	< 1,000E-05
440	< 1,000E-05	740	9,695E-01	1040	9,359E-01	1900	9,595E-01	3400	1,601E-01	4900	< 1,000E-05
450	< 1,000E-05	750	9,677E-01	1050	9,357E-01	1950	9,574E-01	3450	1,487E-01	4950	< 1,000E-05
460	< 1,000E-05	760	9,659E-01	1060	9,356E-01	2000	9,552E-01	3500	1,438E-01	5000	< 1,000E-05
470	< 1,000E-05	770	9,641E-01	1070	9,354E-01	2050	9,530E-01	3550	1,410E-01	5050	< 1,000E-05
480	2,765E-03	780	9,623E-01	1080	9,353E-01	2100	9,498E-01	3600	1,393E-01	5100	< 1,000E-05
490	2,183E-01	790	9,604E-01	1090	9,352E-01	2150	9,449E-01	3650	1,396E-01	5150	< 1,000E-05