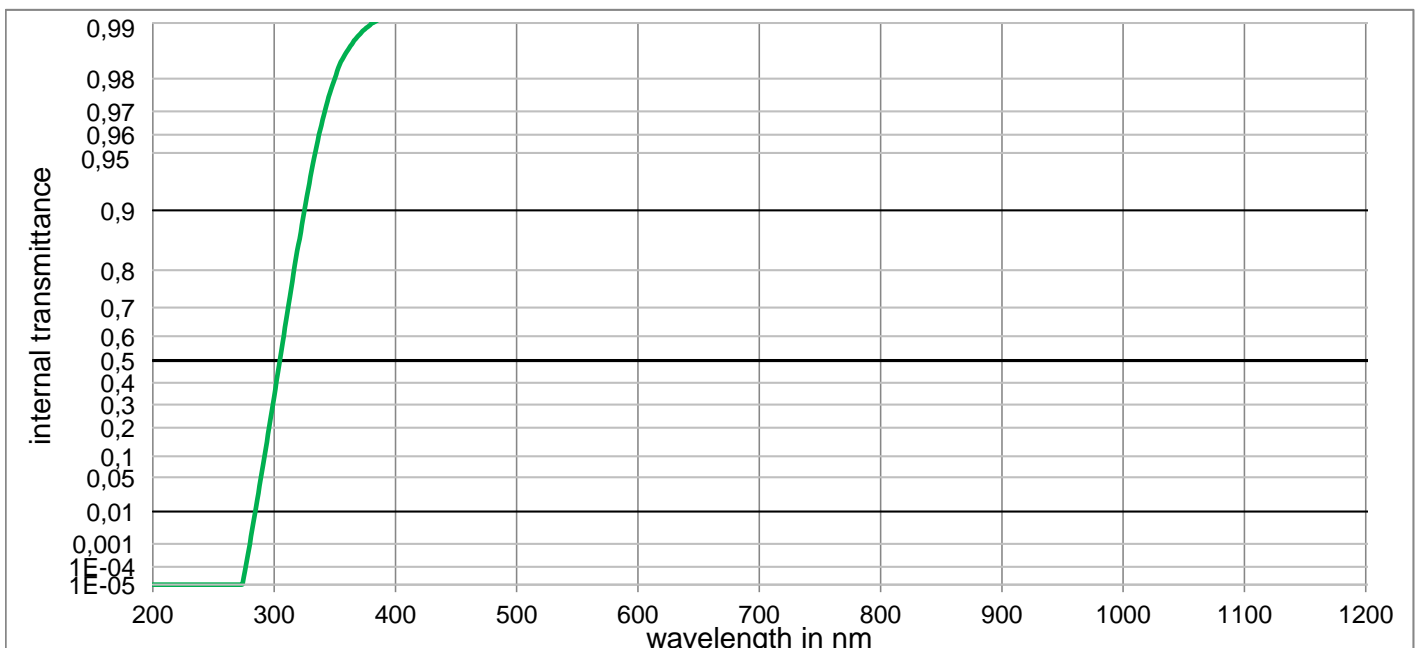
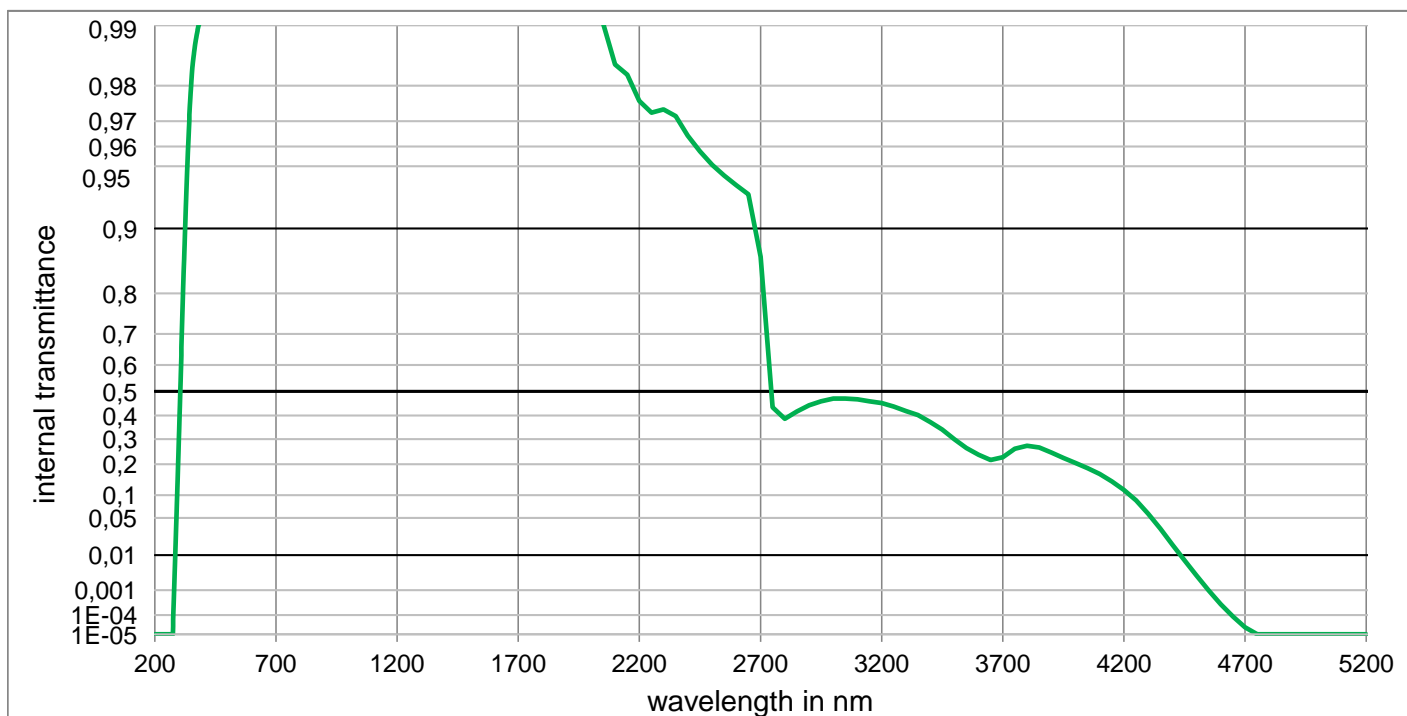


N-WG305

Optical properties	Mechanical properties	Colormetric properties	
Reflection factor	Reference thickness	1 mm 2 mm 3 mm	
$P_d = 0,918$	$d = 2,00 \text{ mm}$	Illuminant D65 x y Y λ_d P_e	
Spectral values guaranteed (d = 2 mm)	Density		Illuminant A x y Y λ_d P_e
$\lambda_c (\tau_i = 0,5) = 305 \text{ nm} \pm 6 \text{ nm}$	$\rho = 2,51 \text{ g/cm}^3$		
$\lambda_s (\tau_{i,U} = 1E-05) = 260 \text{ nm}$	Knoop hardness		
$\lambda_p (\tau_{i,L} = 0,99) = 420 \text{ nm}$	$HK_{[0.1/20]} = 610$		
	Thermal properties		
	Transformation temperature		
	$T_g = 562 \text{ }^\circ\text{C}$		
	Thermal expansion in $10^{-6}/\text{K}$		
	$\alpha_{(-30^\circ\text{C}/+70^\circ\text{C})} = 7,1$		
	$\alpha_{(20^\circ\text{C}/300^\circ\text{C})} = 8,4$		
	Temperature coefficient		
	$Tk = 0,06 \text{ nm/K}$		
Refractive indices	Chemical properties	Notes	
$n_d (587,6 \text{ nm}) = 1,52$	Chemical resistance	Base glass Longpass filter DIN 58131	
	FR class = 0		
$n_t (1014 \text{ nm}) = 1,51$	SR class = 1		
	AR class = 2		
Sellmeier coefficients	Resistance against humidity	Disclaimer	
on request	Resistant glass	All data without tolerances are to be understood to be reference values.	
	see pocket catalogue "Optical Filter Glass 2020", chapter 5.5		
Internal quality			
Bubble class 1			



N-WG305



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	9,949E-01	800	9,987E-01	1100	9,999E-01	2200	9,762E-01	3700	2,268E-01
210	< 1,0E-05	510	9,952E-01	810	9,987E-01	1110	9,999E-01	2250	9,728E-01	3750	2,600E-01
220	< 1,0E-05	520	9,954E-01	820	9,988E-01	1120	9,999E-01	2300	9,738E-01	3800	2,730E-01
230	< 1,0E-05	530	9,957E-01	830	9,988E-01	1130	9,999E-01	2350	9,717E-01	3850	2,656E-01
240	< 1,0E-05	540	9,959E-01	840	9,989E-01	1140	9,999E-01	2400	9,647E-01	3900	2,457E-01
250	< 1,0E-05	550	9,961E-01	850	9,990E-01	1150	9,999E-01	2450	9,577E-01	3950	2,240E-01
260	< 1,0E-05	560	9,962E-01	860	9,990E-01	1160	9,999E-01	2500	9,508E-01	4000	2,042E-01
270	< 1,0E-05	570	9,964E-01	870	9,991E-01	1170	9,999E-01	2550	9,445E-01	4050	1,853E-01
280	1,0E-03	580	9,965E-01	880	9,991E-01	1180	9,999E-01	2600	9,380E-01	4100	1,650E-01
290	6,2E-02	590	9,967E-01	890	9,992E-01	1190	9,999E-01	2650	9,315E-01	4150	1,400E-01
300	3,4E-01	600	9,968E-01	900	9,993E-01	1200	9,999E-01	2700	8,640E-01	4200	1,144E-01
310	6,6E-01	610	9,970E-01	910	9,993E-01	1250	9,999E-01	2750	4,342E-01	4250	8,660E-02
320	8,507E-01	620	9,971E-01	920	9,994E-01	1300	9,999E-01	2800	3,856E-01	4300	5,780E-02
330	9,332E-01	630	9,972E-01	930	9,994E-01	1350	9,999E-01	2850	4,168E-01	4350	3,380E-02
340	9,668E-01	640	9,973E-01	940	9,995E-01	1400	9,970E-01	2900	4,433E-01	4400	1,700E-02
350	9,800E-01	650	9,975E-01	950	9,995E-01	1450	9,994E-01	2950	4,594E-01	4450	7,444E-03
360	9,857E-01	660	9,976E-01	960	9,996E-01	1500	9,999E-01	3000	4,707E-01	4500	2,938E-03
370	9,884E-01	670	9,977E-01	970	9,996E-01	1550	9,999E-01	3050	4,707E-01	4550	9,640E-04
380	9,899E-01	680	9,977E-01	980	9,997E-01	1600	9,999E-01	3100	4,679E-01	4600	2,931E-04
390	9,907E-01	690	9,978E-01	990	9,997E-01	1650	9,995E-01	3150	4,600E-01	4650	8,511E-05
400	9,914E-01	700	9,979E-01	1000	9,998E-01	1700	9,988E-01	3200	4,518E-01	4700	2,483E-05
410	9,920E-01	710	9,980E-01	1010	9,998E-01	1750	9,979E-01	3250	4,376E-01	4750	< 1,000E-05
420	9,924E-01	720	9,981E-01	1020	9,999E-01	1800	9,969E-01	3300	4,188E-01	4800	< 1,000E-05
430	9,928E-01	730	9,982E-01	1030	9,999E-01	1850	9,958E-01	3350	4,017E-01	4850	< 1,000E-05
440	9,931E-01	740	9,983E-01	1040	9,999E-01	1900	9,943E-01	3400	3,724E-01	4900	< 1,000E-05
450	9,935E-01	750	9,983E-01	1050	9,999E-01	1950	9,927E-01	3450	3,401E-01	4950	< 1,000E-05
460	9,937E-01	760	9,984E-01	1060	9,999E-01	2000	9,916E-01	3500	2,997E-01	5000	< 1,000E-05
470	9,940E-01	770	9,985E-01	1070	9,999E-01	2050	9,902E-01	3550	2,637E-01	5050	< 1,000E-05
480	9,943E-01	780	9,985E-01	1080	9,999E-01	2100	9,843E-01	3600	2,360E-01	5100	< 1,000E-05
490	9,946E-01	790	9,986E-01	1090	9,999E-01	2150	9,824E-01	3650	2,164E-01	5150	< 1,000E-05