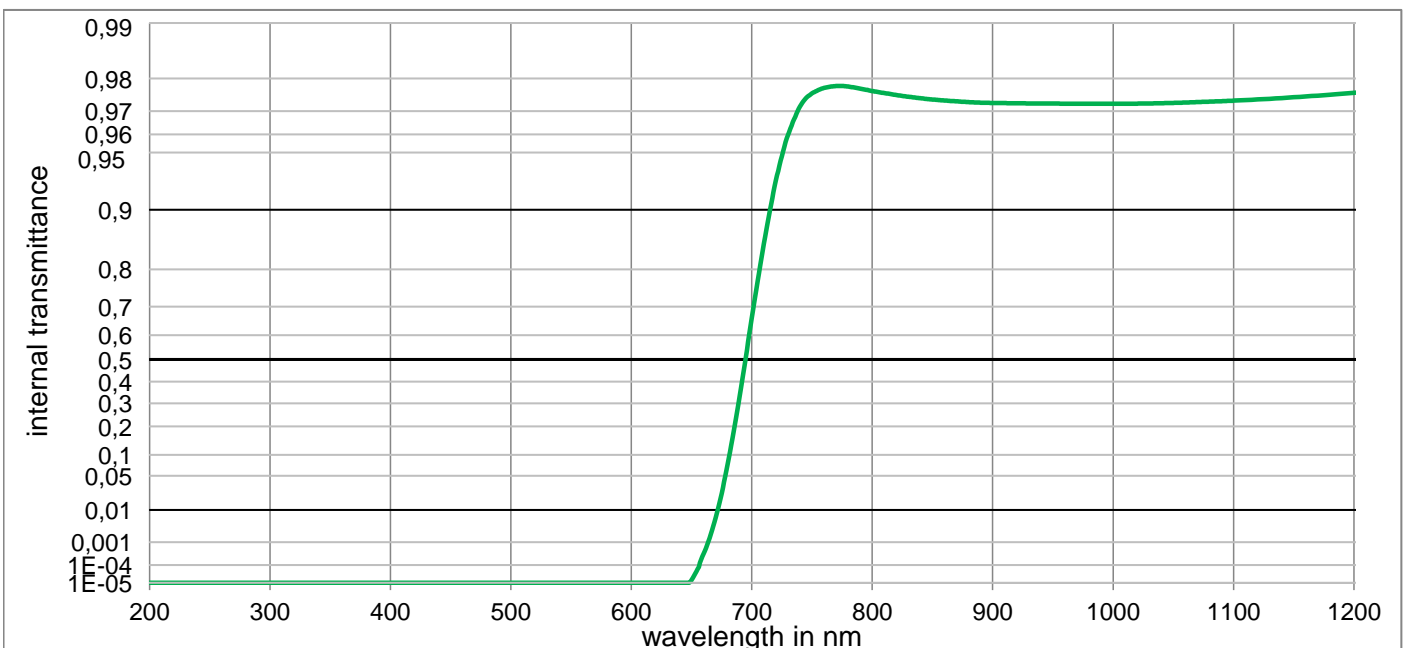
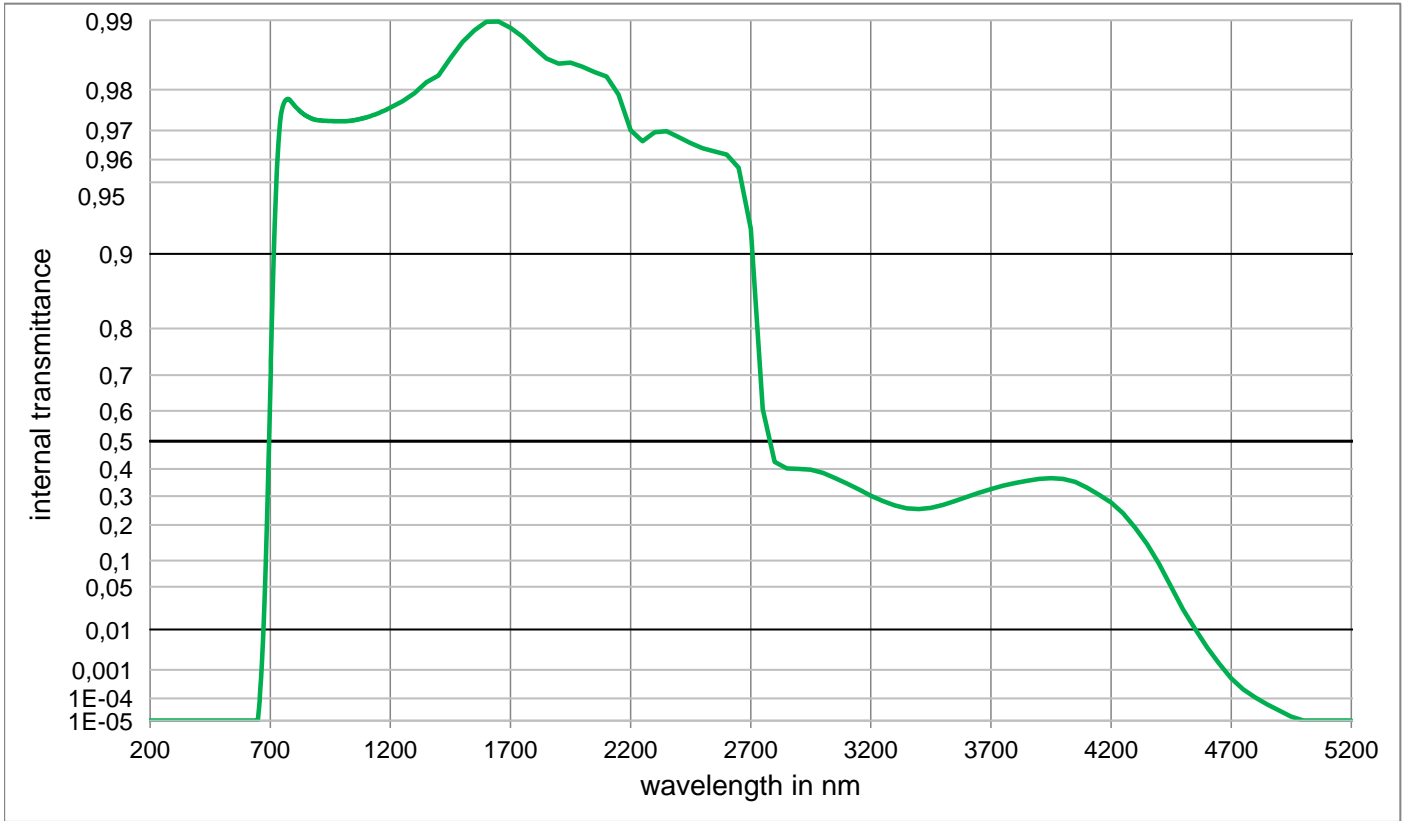


RG695

Optical properties	Mechanical properties	Colorimetric properties
Reflection factor	Reference thickness	1 mm 2 mm 3 mm
$P_d = 0,915$	$d = 3,00 \text{ mm}$	Illuminant D65 x y Y λ_d P_e
Spectral values guaranteed (d = 3 mm)	Density	
$\lambda_{i0,5} = 695 \text{ nm} \pm 6 \text{ nm}$	$\rho = 2,76 \text{ g/cm}^3$	
$\lambda_s (\tau_{i,U} = 1E-05) = 610 \text{ nm}$	Knoop hardness	
$\lambda_p (\tau_{i,L} = 0,96) = 780 \text{ nm}$	$HK_{[0.1/20]} = 459$	
		Illuminant A x y Y λ_d P_e
	Thermal properties	
	Transformation temperature	
	$T_g = 532 \text{ }^\circ\text{C}$	
	Thermal expansion in $10^{-6}/\text{K}$	
Refractive indices	$\alpha_{(-30^\circ\text{C}/+70^\circ\text{C})} = 8,1$	Notes Stricking glass Longpass filter ISO 23364:2021 Disclaimer All data without tolerances are to be understood to be reference values.
$n_d (587,6 \text{ nm}) = 1,53$	$\alpha_{(20^\circ\text{C}/300^\circ\text{C})} = 9,4$	
$n_s (852 \text{ nm}) = 1,53$		
$n_t (1014 \text{ nm}) = 1,52$	Temperature coefficient	
	$Tk = 0,18 \text{ nm/K}$	
Sellmeier coefficients	Chemical properties	
valid from 440 nm to 1550 nm	Chemical resistance	
$B_1 = 0,6009$	FR class = 0	
$B_2 = 0,7114$	SR class = 1	
$B_3 = 25,2603$	AR class = 1	
$C_1 = 1,682E-02 \text{ } \mu\text{m}^2$	Resistance against humidity	
$C_2 = 4,0132E-03 \text{ } \mu\text{m}^2$	Resistant glass	
$C_3 = 4853,501 \text{ } \mu\text{m}^2$	see pocket catalogue "Optical Filter Glass 2024", chapter 5.5	
Internal quality		
Bubble class 3		



RG695



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	< 1,000E-05	800	9,766E-01	1100	9,736E-01	2200	9,700E-01	3700	3,257E-01
210	< 1,0E-05	510	< 1,000E-05	810	9,760E-01	1110	9,738E-01	2250	9,666E-01	3750	3,377E-01
220	< 1,0E-05	520	< 1,000E-05	820	9,754E-01	1120	9,740E-01	2300	9,695E-01	3800	3,478E-01
230	< 1,0E-05	530	< 1,000E-05	830	9,749E-01	1130	9,743E-01	2350	9,698E-01	3850	3,564E-01
240	< 1,0E-05	540	< 1,000E-05	840	9,744E-01	1140	9,745E-01	2400	9,679E-01	3900	3,633E-01
250	< 1,0E-05	550	< 1,000E-05	850	9,740E-01	1150	9,747E-01	2450	9,660E-01	3950	3,659E-01
260	< 1,0E-05	560	< 1,000E-05	860	9,737E-01	1160	9,750E-01	2500	9,642E-01	4000	3,632E-01
270	< 1,0E-05	570	< 1,000E-05	870	9,734E-01	1170	9,752E-01	2550	9,631E-01	4050	3,523E-01
280	< 1,0E-05	580	< 1,000E-05	880	9,732E-01	1180	9,755E-01	2600	9,619E-01	4100	3,308E-01
290	< 1,0E-05	590	< 1,000E-05	890	9,730E-01	1190	9,758E-01	2650	9,567E-01	4150	3,050E-01
300	< 1,0E-05	600	< 1,000E-05	900	9,729E-01	1200	9,761E-01	2700	9,214E-01	4200	2,770E-01
310	< 1,0E-05	610	< 1,000E-05	910	9,728E-01	1250	9,775E-01	2750	6,057E-01	4250	2,394E-01
320	< 1,000E-05	620	< 1,000E-05	920	9,728E-01	1300	9,793E-01	2800	4,261E-01	4300	1,911E-01
330	< 1,000E-05	630	< 1,000E-05	930	9,727E-01	1350	9,814E-01	2850	4,014E-01	4350	1,424E-01
340	< 1,000E-05	640	< 1,000E-05	940	9,727E-01	1400	9,826E-01	2900	4,002E-01	4400	9,250E-02
350	< 1,000E-05	650	1,534E-05	950	9,727E-01	1450	9,854E-01	2950	3,970E-01	4450	4,970E-02
360	< 1,000E-05	660	3,350E-04	960	9,727E-01	1500	9,876E-01	3000	3,859E-01	4500	2,317E-02
370	< 1,000E-05	670	6,330E-03	970	9,726E-01	1550	9,889E-01	3050	3,665E-01	4550	1,037E-02
380	< 1,000E-05	680	7,498E-02	980	9,726E-01	1600	9,899E-01	3100	3,462E-01	4600	4,025E-03
390	< 1,000E-05	690	3,367E-01	990	9,726E-01	1650	9,899E-01	3150	3,243E-01	4650	1,530E-03
400	< 1,000E-05	700	6,612E-01	1000	9,726E-01	1700	9,892E-01	3200	3,018E-01	4700	5,346E-04
410	< 1,000E-05	710	8,508E-01	1010	9,726E-01	1750	9,882E-01	3250	2,824E-01	4750	2,234E-04
420	< 1,000E-05	720	9,295E-01	1020	9,727E-01	1800	9,868E-01	3300	2,667E-01	4800	1,104E-04
430	< 1,000E-05	730	9,596E-01	1030	9,727E-01	1850	9,853E-01	3350	2,563E-01	4850	5,636E-05
440	< 1,000E-05	740	9,716E-01	1040	9,728E-01	1900	9,846E-01	3400	2,535E-01	4900	3,062E-05
450	< 1,000E-05	750	9,759E-01	1050	9,729E-01	1950	9,847E-01	3450	2,581E-01	4950	1,570E-05
460	< 1,000E-05	760	9,775E-01	1060	9,730E-01	2000	9,841E-01	3500	2,681E-01	5000	< 1,000E-05
470	< 1,000E-05	770	9,780E-01	1070	9,732E-01	2050	9,832E-01	3550	2,819E-01	5050	< 1,000E-05
480	< 1,000E-05	780	9,779E-01	1080	9,733E-01	2100	9,825E-01	3600	2,973E-01	5100	< 1,000E-05
490	< 1,000E-05	790	9,773E-01	1090	9,735E-01	2150	9,790E-01	3650	3,121E-01	5150	< 1,000E-05