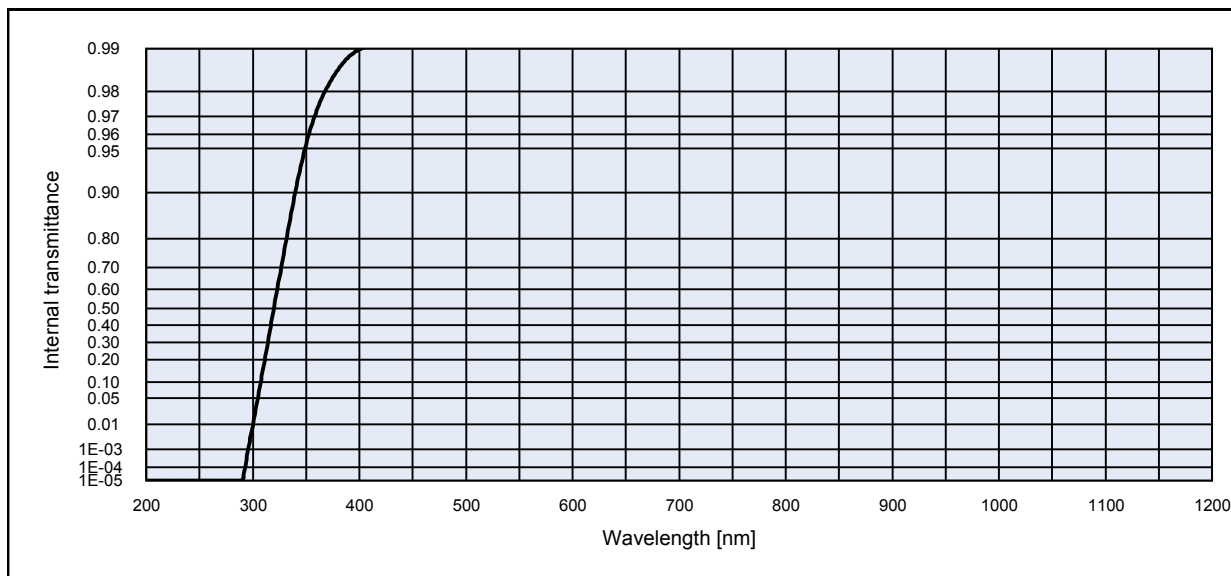


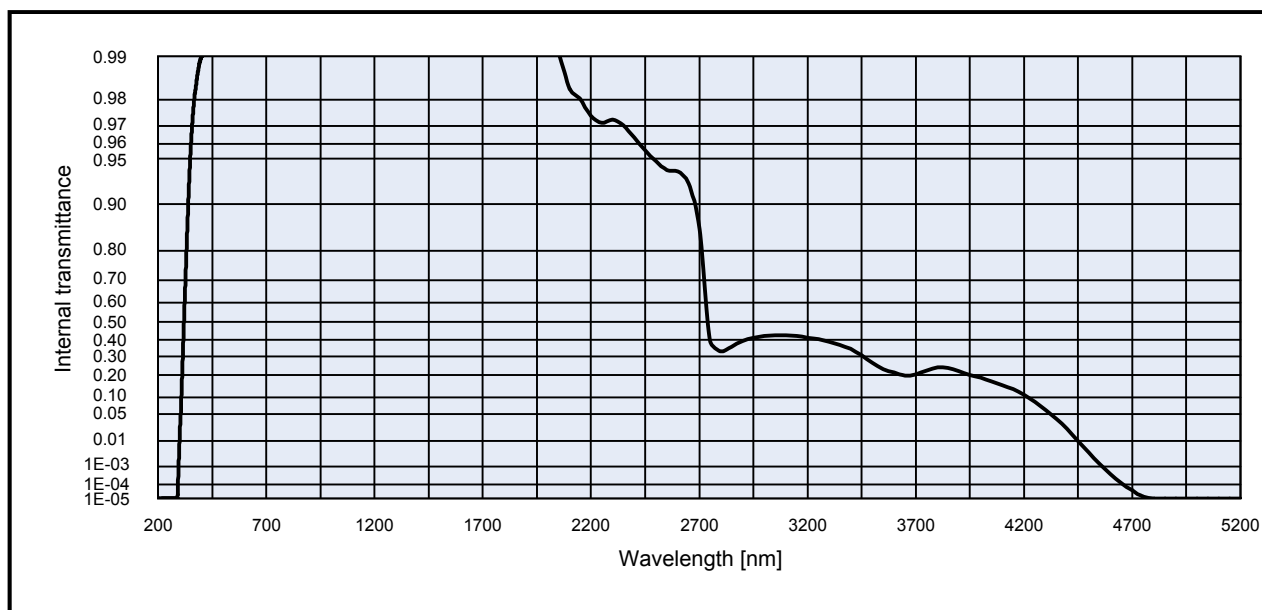
N-WG320

Density		Notes	
ρ [g/cm ³]	2.51	Base glass	
Reflection factor		Long pass filter	
P_d	0.92		
Reference thickness			
d [mm]	2		
Spectral values guaranteed			
λ_c ($\tau_i = 0.50$) [nm]	= 320 ± 6		
λ_s ($\tau_{is} = 1 \cdot 10^{-5}$) [nm]	= 280		
λ_p ($\tau_{ip} = 0.99$) [nm]	= 470		
Bubble content			
Bubble class	1		
Chemical resistance			
FR class	0		
SR class	1.0		
AR class	2.0		
Transformation temperature			
T_g [°C]	563		
Thermal expansion			
$\alpha_{-30/+70^\circ\text{C}}$ [$10^{-6}/\text{K}$]	7.1		
$\alpha_{20/300^\circ\text{C}}$ [$10^{-6}/\text{K}$]	8.4		
$\alpha_{20/200^\circ\text{C}}$ [$10^{-6}/\text{K}$]			
Temperature coefficient			
T_k [nm/°C]	0.06		
Refractive index n			
λ [nm]	Element	n	
365	Hg	1.54	
587.6	He	1.52	
1014	Hg	1.51	

All data without tolerances are to be understood to be reference values. Guaranteed values are only those values listed in the section "Spectral values guaranteed".

Colorimetric evaluation											
Illuminant	A (Planck T = 2856 K)			Illuminant	Planck T = 3200 K			Illuminant	D65 (T _c = 6504 K)		
d [mm]	1	2	3	d [mm]	1	2	3	d [mm]	1	2	3
x				x				x			
y				y				y			
Y				Y				Y			
λ_d [nm]				λ_d [nm]				λ_d [nm]			
P_e				P_e				P_e			





Internal transmittance τ_i at reference thickness d [mm] = 2
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	9.9E-01	800	1.0E+00	1100	1.0E+00	2200	9.7E-01	3700	2.0E-01
210	< 1.0E-05	510	9.9E-01	810	1.0E+00	1110	1.0E+00	2250	9.7E-01	3750	2.2E-01
220	< 1.0E-05	520	9.9E-01	820	1.0E+00	1120	1.0E+00	2300	9.7E-01	3800	2.4E-01
230	< 1.0E-05	530	9.9E-01	830	1.0E+00	1130	1.0E+00	2350	9.7E-01	3850	2.4E-01
240	< 1.0E-05	540	1.0E+00	840	1.0E+00	1140	1.0E+00	2400	9.6E-01	3900	2.2E-01
250	< 1.0E-05	550	1.0E+00	850	1.0E+00	1150	1.0E+00	2450	9.6E-01	3950	2.0E-01
260	< 1.0E-05	560	1.0E+00	860	1.0E+00	1160	1.0E+00	2500	9.5E-01	4000	1.9E-01
270	< 1.0E-05	570	1.0E+00	870	1.0E+00	1170	1.0E+00	2550	9.4E-01	4050	1.7E-01
280	< 1.0E-05	580	1.0E+00	880	1.0E+00	1180	1.0E+00	2600	9.4E-01	4100	1.5E-01
290	< 1.0E-05	590	1.0E+00	890	1.0E+00	1190	1.0E+00	2650	9.3E-01	4150	1.3E-01
300	9.6E-03	600	1.0E+00	900	1.0E+00	1200	1.0E+00	2700	8.5E-01	4200	1.1E-01
310	1.6E-01	610	1.0E+00	910	1.0E+00	1250	1.0E+00	2750	4.0E-01	4250	8.4E-02
320	5.1E-01	620	1.0E+00	920	1.0E+00	1300	1.0E+00	2800	3.3E-01	4300	6.0E-02
330	7.7E-01	630	1.0E+00	930	1.0E+00	1350	1.0E+00	2850	3.6E-01	4350	3.9E-02
340	9.0E-01	640	1.0E+00	940	1.0E+00	1400	1.0E+00	2900	3.9E-01	4400	2.2E-02
350	9.5E-01	650	1.0E+00	950	1.0E+00	1450	1.0E+00	2950	4.1E-01	4450	1.0E-02
360	9.7E-01	660	1.0E+00	960	1.0E+00	1500	1.0E+00	3000	4.2E-01	4500	4.0E-03
370	9.8E-01	670	1.0E+00	970	1.0E+00	1550	1.0E+00	3050	4.2E-01	4550	1.3E-03
380	9.9E-01	680	1.0E+00	980	1.0E+00	1600	1.0E+00	3100	4.2E-01	4600	4.1E-04
390	9.9E-01	690	1.0E+00	990	1.0E+00	1650	1.0E+00	3150	4.2E-01	4650	1.2E-04
400	9.9E-01	700	1.0E+00	1000	1.0E+00	1700	1.0E+00	3200	4.1E-01	4700	4.2E-05
410	9.9E-01	710	1.0E+00	1010	1.0E+00	1750	1.0E+00	3250	4.0E-01	4750	1.4E-05
420	9.9E-01	720	1.0E+00	1020	1.0E+00	1800	1.0E+00	3300	3.9E-01	4800	< 1.0E-05
430	9.9E-01	730	1.0E+00	1030	1.0E+00	1850	1.0E+00	3350	3.7E-01	4850	< 1.0E-05
440	9.9E-01	740	1.0E+00	1040	1.0E+00	1900	1.0E+00	3400	3.5E-01	4900	< 1.0E-05
450	9.9E-01	750	1.0E+00	1050	1.0E+00	1950	9.9E-01	3450	3.1E-01	4950	< 1.0E-05
460	9.9E-01	760	1.0E+00	1060	1.0E+00	2000	9.9E-01	3500	2.7E-01	5000	< 1.0E-05
470	9.9E-01	770	1.0E+00	1070	1.0E+00	2050	9.9E-01	3550	2.3E-01	5050	< 1.0E-05
480	9.9E-01	780	1.0E+00	1080	1.0E+00	2100	9.8E-01	3600	2.1E-01	5100	< 1.0E-05
490	9.9E-01	790	1.0E+00	1090	1.0E+00	2150	9.8E-01	3650	2.0E-01	5150	< 1.0E-05