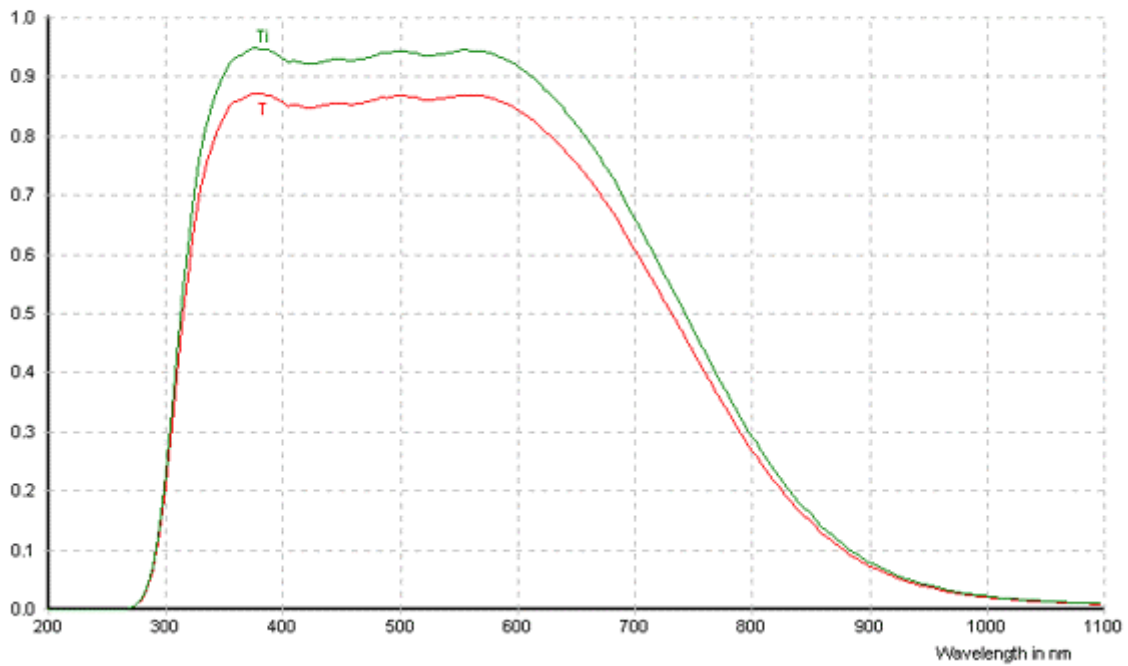


Thickness in mm : 2.0
Wavelength in nm :
Transmittance :
Internal Transmittance :

KG1



Reflection factor P_d Bubble content Bubble class Chemical resistance FR class SR class AR class	0.92 0 2.0 3.0	Density ρ [g/cm ³] Transformation temperature T _g [°C] Thermal expansion $\alpha_{30/70^\circ\text{C}}$ [10 ⁻⁶ /K] $\alpha_{20/300^\circ\text{C}}$ [10 ⁻⁶ /K] Temperature coefficient T _k [nm/°C]	2.53 599 5.3 6.1 Per DIN 58191 Per DIN 58191 Ionically colored glass
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Limit values of τ_i
for thickness $d = 2$ mm

Wave-length [nm]	Limits	Value from catalog curve
365	≥ 0.89	0.94
500	≥ 0.92	0.94
600	≥ 0.88	0.92
700	≤ 0.68	0.66
800	≤ 0.33	0.29
900	≤ 0.10	0.08
1060	≤ 0.02	0.01
2200	≤ 0.06	0.03

Refractive index n

λ [nm]	Element	n
365	Hg	1.53
587.6	He	1.52

Tristimulus values

	d [mm]	x	y	Y	λ_d [nm]	P_e
A	1	0.444	0.409	88	506	0.01
2856	2	0.442	0.411	85	506	0.01
K	3	0.439	0.413	82	506	0.02
	5	0.433	0.416	76	506	0.03
	1	0.420	0.401	88	504	0.01
3200	2	0.418	0.402	85	504	0.01
K	3	0.415	0.404	82	504	0.02
	5	0.410	0.407	76	504	0.03
	1	0.311	0.330	89	498	0.01
D ₆₅	2	0.309	0.331	86	498	0.01
	3	0.307	0.332	83	498	0.02
	5	0.304	0.334	77	498	0.03

Application notes
Short pass filter
- see section 6.7.2

[]
Long-term changes in the polished surface are possible under some circumstances
- see section 5.5

V
Transmission changes are possible under the action of intense ultraviolet radiation
- see section 8.3
Status June 1997

Transmittance τ and internal transmittance τ_i at $d = 2$ mm

λ [nm]	τ	τ_i	λ [nm]	τ	τ_i
200	$< 1 \cdot 10^{-5}$	$< 1 \cdot 10^{-5}$	700	0.61	0.66
210	$< 1 \cdot 10^{-5}$	$< 1 \cdot 10^{-5}$	710	0.58	0.63
220	$< 1 \cdot 10^{-5}$	$< 1 \cdot 10^{-5}$	720	0.54	0.59
230	$< 1 \cdot 10^{-5}$	$< 1 \cdot 10^{-5}$	730	0.51	0.55
240	$< 1 \cdot 10^{-5}$	$< 1 \cdot 10^{-5}$	740	0.48	0.52
250	$< 1 \cdot 10^{-5}$	$< 1 \cdot 10^{-5}$	750	0.44	0.48
260	$3 \cdot 10^{-5}$	$3 \cdot 10^{-5}$	760	0.40	0.44
270	0.002	0.002	770	0.37	0.40
280	0.02	0.02	780	0.34	0.37
290	0.07	0.07	790	0.30	0.33
300	0.19	0.21	800	0.27	0.29
310	0.38	0.42	850	0.15	0.16
320	0.56	0.61	900	0.07	0.08
330	0.71	0.77	950	0.04	0.04
340	0.78	0.85	1000	0.02	0.02
350	0.83	0.90	1060	0.01	0.01
360	0.86	0.93	1100	0.009	0.01
370	0.87	0.94	1200	0.007	0.008
380	0.87	0.95	1300	0.007	0.008
390	0.87	0.95	1400	0.009	0.01
400	0.86	0.93	1500	0.02	0.02
410	0.85	0.93	1600	0.03	0.03
420	0.85	0.92	1700	0.04	0.04
430	0.85	0.92	1800	0.05	0.05
440	0.85	0.93	1900	0.05	0.05
450	0.86	0.93	2000	0.05	0.05
460	0.85	0.93	2100	0.04	0.04
470	0.86	0.93	2200	0.03	0.03
480	0.86	0.94	2300	0.04	0.04
490	0.86	0.94	2400	0.05	0.05
500	0.87	0.94	2500	0.06	0.06
510	0.87	0.94	2600	0.06	0.07
520	0.86	0.94	2700	0.06	0.07
530	0.86	0.94	2800	$9 \cdot 10^{-4}$	0.001
540	0.86	0.94	2900	$9 \cdot 10^{-5}$	$1 \cdot 10^{-4}$
550	0.87	0.94	3000	$9 \cdot 10^{-5}$	$1 \cdot 10^{-4}$
560	0.87	0.95	3200	$9 \cdot 10^{-5}$	$1 \cdot 10^{-4}$
570	0.87	0.94	3400	$9 \cdot 10^{-5}$	$1 \cdot 10^{-4}$
580	0.86	0.94	3600	$5 \cdot 10^{-4}$	$5 \cdot 10^{-4}$
590	0.86	0.93	3800	$4 \cdot 10^{-4}$	$4 \cdot 10^{-4}$
600	0.85	0.92	4000	$3 \cdot 10^{-5}$	$3 \cdot 10^{-5}$
610	0.83	0.91	4200	$< 1 \cdot 10^{-5}$	$< 1 \cdot 10^{-5}$
620	0.82	0.89	4400	$< 1 \cdot 10^{-5}$	$< 1 \cdot 10^{-5}$
630	0.80	0.87	4600	$< 1 \cdot 10^{-5}$	$< 1 \cdot 10^{-5}$
640	0.78	0.85	4800	$< 1 \cdot 10^{-5}$	$< 1 \cdot 10^{-5}$
650	0.76	0.82	5000	$< 1 \cdot 10^{-5}$	$< 1 \cdot 10^{-5}$
660	0.73	0.80	5200	$< 1 \cdot 10^{-5}$	$< 1 \cdot 10^{-5}$
670	0.71	0.77			
680	0.68	0.74			
690	0.65	0.70			

WHILE EVERY ATTEMPT HAS BEEN MADE TO VERIFY THE SOURCE OF THE INFORMATION, NO RESPONSIBILITY IS ACCEPTED FOR ACCURACY OF DATA.

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