n_e 1.5668712	υ_e 35.19	$n_{F'} - n_{C'}$ 0.019005
n_d 1.664262	υ_d 35.44	$n_F - n_C$ 0.018740

Viscosity temperature

Class of bubbles	η [Poise]	$10^{14.5}$	10^{13}	10^{10}	10^{8}
2	t [°C]	500	535	610	680

Relative partial dispersion deviations from the 'Normal Line'

	i – F'	g – F'	F' - e	F' - r
ΔP	+0.008	+0.0005	-0.0001	-0.0036
Δ υ_e	+0.9	+0.3	-0.1	+0.5
	i – F	g – F	F - e	F – r
ΔP	+0.009	+0.0007	-0.0001	-0.0002
Δ υ_d	+0.9	+0.4	-0.2	+0.5

Stress optical coefficient B [nm·cm^{-1} / kp·cm^{-2}], λ=550nm

	Thermal conductivity			
	-50°C	0°C	+20°C	+50°C
2.35	0.56	0.59	0.62	0.64

Optical density increment on irradiation

Initial density D_0 [cm^{-1}]	Radiation dose [R]	Optical density increment Δ D [cm^{-1}]
0.057	$1 \cdot 10^4$	0.120
	$1 \cdot 10^5$	0.57

Young's modulus E [kp · mm^{-2}]	Shear modulus G [kp·mm^{-2}]	Coefficient of linear thermal expansion $\alpha_{20/t}$ · 10^7 [°C]		Chemical resistance Stain resistance	
				Group	I
6670	2694				
Poisson's ratio μ	**Density ρ [g · cm^{-3}]**	**+20 ÷ -60°C**	**+20 ÷ +120°C**	**Weather resistance**	
0.238	3.96	59	65	**Group**	**A**

Refractive indices

λ [nm]		n
312.6	-	-
334.1	-	-
365.0	i	1.71548
404.66	h	1.69805
435.83	g	1.688504
479.99	F'	1.678647
486.13	F	1.677522
546.07	e	1.668712
587.56	d	1.664262
589.29	D	1.664100
643.85	C'	1.659642
656.27	C	1.658782
706.52	r	1.65576
768.2	-	1.65281
852.1	-	1.64971
1013.9	-	1.64547
1128.6	-	1.64323
1395.1	-	1.63914
1529.6	-	1.63734
1813.1	-	1.63368
1970.1	-	1.63163
2249.3	-	1.62780
2325.4	-	1.62670

Dispersion coefficients

$\nu_h = \dfrac{n_h - 1}{n_i - n_g}$	25.9
$\nu_e = \dfrac{n_e - 1}{n_{F'} - n_{C'}}$	35.19
$\nu_d = \dfrac{n_d - 1}{n_F - n_C}$	35.44
$\nu_D = \dfrac{n_D - 1}{n_F - n_C}$	35.43
$\nu_{1529.6} = \dfrac{n_{1529.6} - 1}{n_{1013.9} - n_{2249.3}}$	36

Relative partial dispersions

Δ n	$\dfrac{\Delta n}{n_{F'} - n_{C'}}$	$\dfrac{\Delta n}{n_F - n_C}$
312.6 – 334.1	-	-
334.1 - i	-	-
i - h	0.917	0.930
h - g	0.5023	0.5096
g – F	0.5778	0.5860
g – F'	0.5187	0.5260
F - e	0.4636	0.4701
F - D	0.7062	0.7162
F' - e	0.5127	0.5301
d - D	0.0085	0.0086
D - C	0.2798	0.2838
e – C'	0.4773	0.4840
e - C	0.5225	0.5299
C' - r	0.204	0.207
C - r	0.159	0.161
r – 852.1	0.318	0.323
852.1 – 1013.9	0.223	0.226
1013.9 – 1128.6	0.118	0.119
1128.6 – 1395.1	0.215	0.218
1395.1 – 1529.6	0.095	0.096
1529.6 – 1813.1	0.192	0.195
1813.1 – 1970.1	0.108	0.109
1970.1 – 2249.3	0.202	0.204
2249.3 – 2325.4	0.058	0.058

Internal transmittance

λ [nm]	τ_i (s=10mm)	τ_i (s=25mm)
280	-	-
300	-	-
320	-	-
340	-	-
360	-	-
380	0.800	0.572
400	0.899	0.766
420	0.954	0.889
440	0.973	0.934
460	0.984	0.960
480	0.990	0.975
500	0.993	0.983
520	0.995	0.987
540	0.996	0.990
560	0.996	0.990
580	0.996	0.990
600	0.995	0.987
620	0.994	0.985
640	0.993	0.983
660	0.994	0.985
680	0.995	0.987
700	0.995	0.987
750	0.996	0.990
800	0.995	0.987
900	0.994	0.985
1000	0.993	0.983
1050	0.994	0.985
1100	0.994	0.985
1200	0.994	0.985
1300	0.995	0.987
1400	0.992	0.980
1500	0.992	0.980

Refractive indices at laser wavelengths

λ [nm]	n
350.7	-
356.4	-
488.0	1.67718
514.0	1.67298
520.8	1.67200
530.0	1.67074
568.2	1.66621
632.8	1.66045
647.1	1.65941
694.3	1.65644
890.0	1.64856
1060.0	1.64452

Radiation resistant analogue glass type-