n_e 1.585690	υ_e 46.17	$n_{F'} - n_{C'}$ 0.012686
n_d 1.582713	υ_d 46.47	$n_F - n_C$ 0.012540

Class of bubbles	Viscosity temperature				
	η [Poise]	$10^{14.5}$	10^{13}	10^{10}	10^8
2	t [°C]	470	515	610	675

Relative partial dispersion deviations from the 'Normal Line'

	i – F'	g – F'	F' - e	F' - r
ΔP	-0.006	+0.0010	+0.0001	-0.0022
$\Delta \upsilon_e$	-0.6	+0.6	+0.1	+3.1
	i – F	g – F	F - e	F – r
ΔP	-0.005	+0.0014	+0.0002	-0.0018
$\Delta \upsilon_d$	-0.5	+0.8	+0.3	+3.2

Stress optical coefficient B [nm·cm⁻¹ / kp·cm⁻²], λ=550nm	Thermal conductivity			
	-50°C	0°C	+20°C	+50°C
2.85	-	-	-	-

Optical density increment on irradiation

Initial density D_0 [cm⁻¹]	Radiation dose [R]	Optical density increment ΔD [cm⁻¹]
0.047	$1 \cdot 10^4$	0.070
	$1 \cdot 10^5$	0.30

Young's modulus E [kp · mm⁻²]	Shear modulus G [kp·mm⁻²]	Coefficient of linear thermal expansion $\alpha_{20/t} \cdot 10^7$ [°C]	Chemical resistance / Stain resistance	
			Group	I
6550	2643			
Poisson's ratio μ	**Density ρ [g · cm⁻³]**	+20 ÷ -60°C	+20 ÷ +120°C	Weather resistance
0.239	3.28	77	82	**Group** A

Refractive indices

λ [nm]		n
312.6	-	-
334.1	-	-
365.0	i	1.61535
404.66	h	1.60468
435.83	g	1.598623
479.99	F'	1.592244
486.13	F	1.591509
546.07	e	1.585690
587.56	d	1.582713
589.29	D	1.582600
643.85	C'	1.579558
656.27	C	1.578969
706.52	r	1.57689
768.2	-	1.57483
852.1	-	1.57263
1013.9	-	1.56953
1128.6	-	1.56784
1395.1	-	1.56459
1529.6	-	1.56308
1813.1	-	1.55991
1970.1	-	1.55808
2249.3	-	1.55455
2325.4	-	1.55355

Refractive indices at laser wavelengths

λ [nm]	n
350.7	-
356.4	-
488.0	1.59130
514.0	1.58853
520.8	1.58788
530.0	1.58704
568.2	1.58401
632.8	1.58011
647.1	1.57940
694.3	1.57736
890.0	1.57180
1060.0	1.56882

Dispersion coefficients

$\nu_h = \dfrac{n_h - 1}{n_i - n_g}$	36.1
$\nu_e = \dfrac{n_e - 1}{n_{F'} - n_{C'}}$	46.17
$\nu_d = \dfrac{n_d - 1}{n_F - n_C}$	46.47
$\nu_D = \dfrac{n_D - 1}{n_F - n_C}$	46.45
$\nu_{1529.6} = \dfrac{n_{1529.6} - 1}{n_{1013.9} - n_{2249.3}}$	37.6

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	0.841	0.851
h - g	0.4775	0.4830
g – F	0.5608	0.5673
g – F'	0.5028	0.5087
F - e	0.4587	0.4640
F - D	0.7023	0.7140
F' - e	0.5167	0.5227
d - D	0.0089	0.0090
D - C	0.2862	0.2896
e – C'	0.4833	0.4890
e - C	0.5298	0.5360
C' - r	0.211	0.213
C - r	0.164	0.166
r – 852.1	0.336	0.340
852.1 – 1013.9	0.244	0.247
1013.9 – 1128.6	0.134	0.135
1128.6 – 1395.1	0.256	0.259
1395.1 – 1529.6	0.118	0.120
1529.6 – 1813.1	0.250	0.253
1813.1 – 1970.1	0.145	0.147
1970.1 – 2249.3	0.278	0.281
2249.3 – 2325.4	0.081	0.082

Internal transmittance

λ [nm]	τ_i (s=10mm)	τ_i (s=25mm)
280	-	-
300	-	-
320	0.093	-
340	0.751	0.441
360	0.925	0.823
380	0.962	0.908
400	0.988	0.971
420	0.990	0.975
440	0.990	0.975
460	0.992	0.980
480	0.994	0.985
500	0.994	0.985
520	0.995	0.987
540	0.995	0.987
560	0.995	0.987
580	0.995	0.987
600	0.995	0.987
620	0.995	0.987
640	0.995	0.987
660	0.994	0.985
680	0.996	0.990
700	0.996	0.990
750	0.996	0.990
800	0.996	0.990
900	0.995	0.987
1000	0.994	0.985
1050	0.994	0.985
1100	0.994	0.985
1200	0.994	0.985
1300	0.994	0.985
1400	0.992	0.980
1500	0.993	0.983

Radiation resistant analogue glass type-

BF108