

n_e 1.638639	v_e 36.50	$n_{F'} - n_{C'}$ 0.017496
n_d 1.634551	v_d 36.77	$n_F - n_C$ 0.017260

Class of bubbles	Viscosity temperature				
	η [Poise]	$10^{14.5}$	10^{13}	10^{10}	10^8
3	t [°C]	440	475	565	635

Relative partial dispersion deviations from the 'Normal Line'				
	$i - F'$	$g - F'$	$F' - e$	$F' - r$
ΔP	+0.004	-0.0003	+0.0002	-0.0003
Δv_e	+0.4	-0.2	+0.4	+0.4
	$i - F$	$g - F$	$F - e$	$F - r$
ΔP	+0.003	-0.0003	+0.0002	-0.0002
Δv_d	+0.4	-0.2	+0.4	+0.4

Stress optical coefficient B [$\text{nm}\cdot\text{cm}^{-1} / \text{kp}\cdot\text{cm}^{-2}$], $\lambda=550\text{nm}$	Thermal conductivity			
	-50°C	0°C	+20°C	+50°C
2.65	0.57	0.60	0.62	0.64

Young's modulus E [$\text{kp}\cdot\text{mm}^{-2}$]	Shear modulus G [$\text{kp}\cdot\text{mm}^{-2}$]	Coefficient of linear thermal expansion $\alpha_{20/t}$ 10^7 [°C]	Chemical resistance		
			Stain resistance		
6430	2605		Group	I	
Poisson's ratio μ	Density ρ [$\text{g}\cdot\text{cm}^{-3}$]	+20 ÷ -60°C	+20 ÷ +120°C	Weather resistance	
		74	79	Group	A

Optical density increment on irradiation		
Initial density D_0 [cm^{-1}]	Radiation dose [R]	Optical density increment ΔD [cm^{-1}]
0.054	$1 \cdot 10^4$	0.080
	$1 \cdot 10^5$	0.45

Refractive indices		
λ [nm]	n	
312.6	-	-
334.1	-	-
365.0	i	1.68139
404.66	h	1.66553
435.83	g	1.656803
479.99	F'	1.647777
486.13	F	1.646746
546.07	e	1.638639
587.56	d	1.634551
589.29	D	1.634400
643.85	C'	1.630281
656.27	C	1.629486
706.52	r	1.62669
768.2	-	1.62396
852.1	-	1.62108
1013.9	-	1.61712
1128.6	-	1.61502
1395.1	-	1.61116
1529.6	-	1.60944
1813.1	-	1.60591
1970.1	-	1.60390
2249.3	-	1.60010
2325.4	-	1.59901

Dispersion coefficients	
$v_h = \frac{n_h - 1}{n_i - n_g}$	27.1
$v_e = \frac{n_e - 1}{n_{F'} - n_{C'}}$	36.50
$v_d = \frac{n_d - 1}{n_F - n_C}$	36.77
$v_D = \frac{n_D - 1}{n_F - n_C}$	36.77
$v_{1529.6} = \frac{n_{1529.6} - 1}{n_{1013.9} - n_{2249.3}}$	35.8

Relative partial dispersions		
Δn	$\frac{\Delta n}{n_{F'} - n_{C'}}$	$\frac{\Delta n}{n_F - n_C}$
312.6 - 334.1	-	-
334.1 - i	-	-
i - h	0.906	0.919
h - g	0.4988	0.5054
g - F	0.5748	0.5827
g - F'	0.5159	0.5229
F - e	0.4634	0.4697
F - D	0.7056	0.7153
F' - e	0.5223	0.5294
d - D	0.0086	0.0087
D - C	0.2809	0.2847
e - C'	0.4777	0.4843
e - C	0.5231	0.5303
C' - r	0.205	0.208
C - r	0.160	0.162
r - 852.1	0.321	0.325
852.1 - 1013.9	0.226	0.229
1013.9 - 1128.6	0.120	0.122
1128.6 - 1395.1	0.221	0.224
1395.1 - 1529.6	0.098	0.100
1529.6 - 1813.1	0.202	0.204
1813.1 - 1970.1	0.115	0.116
1970.1 - 2249.3	0.217	0.220
2249.3 - 2325.4	0.063	0.064

Internal transmittance		
λ [nm]	τ_i (s=10mm)	τ_i (s=25mm)
280	-	-
300	-	-
320	-	-
340	0.055	-
360	0.444	0.131
380	0.743	0.476
400	0.940	0.857
420	0.968	0.922
440	0.978	0.946
460	0.985	0.963
480	0.990	0.975
500	0.992	0.980
520	0.994	0.985
540	0.995	0.987
560	0.995	0.987
580	0.995	0.987
600	0.995	0.987
620	0.994	0.985
640	0.993	0.983
660	0.993	0.983
680	0.994	0.985
700	0.994	0.985
750	0.995	0.987
800	0.994	0.985
900	0.993	0.983
1000	0.993	0.983
1050	0.993	0.983
1100	0.993	0.983
1200	-	-
1300	-	-
1400	-	-
1500	-	-

Refractive indices at laser wavelengths	
λ [nm]	n
350.7	-
356.4	-
488.0	1.64643
514.0	1.64258
520.8	1.64168
530.0	1.64052
568.2	1.63634
632.8	1.63103
647.1	1.63007
694.3	1.62732
890.0	1.62000
1060.0	1.61623

Radiation resistant analogue glass type-