

ZF2	673322	$n_d = 1.67270$	$v_d = 32.17$	$n_F - n_C = 0.020910$
		$n_e = 1.67765$	$v_e = 31.92$	$n_{F'} - n_{C'} = 0.021227$

Refractive Indices		
	λ (nm)	n_λ
n_{2325}	2325.42	1.63283
n_{1970}	1970.09	1.63777
n_{1530}	1529.58	1.64358
n_{1129}	1128.64	1.64972
n_{1064}	1064.00	1.65099
n_t	1013.98	1.65209
n_s	852.11	1.65665
$n_{A'}$	768.19	1.66003
n_r	706.52	1.66327
n_C	656.27	1.66661
$n_{C'}$	643.85	1.66756
n_{He-Ne}	632.80	1.66846
n_D	589.29	1.67252
n_d	587.56	1.67270
n_e	546.07	1.67765
n_F	486.13	1.68752
$n_{F'}$	479.99	1.68878
n_g	435.84	1.69988
n_h	404.66	1.71070
n_i	365.01	1.73059

Constants of Dispersion Formula	
A_0	2.71117096E+00
A_1	-9.26643122E-03
A_2	2.71311967E-02
A_3	1.51892246E-03
A_4	-8.58228606E-05
A_5	1.01100745E-05

Density		Solarization	
ρ (g/cm ³)	4.07	$\Delta\lambda$ (%)	-0.3

Relative Partial Dispersion	
$P_{d,C}$	0.2912
$P_{e,d}$	0.2367
$P_{g,F}$	0.5911
$P'_{d,c'}$	0.2421
$P'_{e,d}$	0.2332
$P'_{g,F'}$	0.5229

Deviation of Relative Partial Dispersions	
$\Delta P_{F,e}$	-0.0004
$\Delta P_{g,F}$	0.0009
$\Delta P_{C,t}$	-0.0016
$\Delta P_{C,s}$	-0.0013

Thermal Properties	
T _g (°C)	443
T _s (°C)	490
T ₁₀ ^{14.5} (°C)	417
T ₁₀ ¹³ (°C)	430
$\alpha_{50/80^\circ C}$ (10 ⁻⁷ /K)	81
$\alpha_{100/300^\circ C}$ (10 ⁻⁷ /K)	94
λ (W/(m·K))	0.74

Mechanical Properties	
HK (10 ⁷ Pa)	392
F _A	191
E (GPa)	55.4
G (GPa)	22.6
μ	0.226
σ_b (MPa)	49.2
B (10 ⁻¹² /Pa)	2.17

Chemical Properties (grade)	
RC (S)	1
RA (S)	3
D _W	1
D _A	2
R _{OH} (S)	2
RP (S)	1

Expansion Coefficient α (×10 ⁻⁷ /K)	
°C	α
-50/-40	74
-40/-30	76
-30/-20	78
-20/-10	79
-10/0	80
0/10	81
10/20	82
20/30	82
30/40	83
40/50	84
50/60	84
60/70	85
70/80	85
80/90	86
90/100	86
100/110	87
110/120	88
120/130	89
130/140	90
140/150	91
150/160	92

Internal Transmittance		
λ (nm)	τ_{5mm}	τ_{10mm}
2400	0.937	0.878
2200	0.949	0.901
2000	0.980	0.960
1800	0.990	0.980
1600	0.999	0.998
1400	0.999	0.998
1200	0.999	0.998
1060	0.999	0.998
1000	0.999	0.998
950	0.999	0.998
900	0.999	0.998
850	0.999	0.998
800	0.999	0.998
750	0.999	0.998
700	0.999	0.998
650	0.999	0.998
600	0.999	0.998
550	0.999	0.998
500	0.999	0.998
480	0.999	0.998
460	0.998	0.996
440	0.996	0.993
420	0.994	0.989
400	0.990	0.976
390	0.986	0.961
380	0.973	0.932
370	0.951	0.884
360	0.895	0.772
350	0.757	0.531
340	0.434	0.152
330		
320		
310		
300		
290		
280		

Coloration Code	
$\lambda_{80}(\lambda_{70})/\lambda_5$	380/335
Coloration of Internal Transmittance	
$\lambda\tau_{80}/\lambda\tau_5$	360/335

Range of Temperature (°C)	Temperature Coefficients of Refractive Index									
	dn/dt relative (×10 ⁻⁶ / °C)									
	t	s	C	C'	He-Ne	d	e	F	F'	g
-60 ~ -40	3.4	4.0	4.6	4.6	4.7	5.0	5.4	6.7	6.7	7.7
-40 ~ -20	3.5	4.2	4.8	4.8	4.8	5.2	5.7	6.8	6.9	8.1
-20 ~ 0	3.8	4.4	5.0	5.0	5.1	5.3	6.0	7.2	7.3	8.4
0 ~ 20	3.9	4.5	5.1	5.2	5.2	5.5	6.2	7.4	7.5	8.7
20 ~ 40	4.0	4.6	5.2	5.3	5.4	5.8	6.4	7.6	7.7	8.9
40 ~ 60	4.2	4.8	5.4	5.5	5.6	6.1	6.6	7.9	8.0	9.3
60 ~ 80	4.5	5.1	5.7	5.8	5.9	6.4	6.9	8.2	8.3	9.7
80 ~ 100	4.7	5.3	6.0	6.0	6.1	6.6	7.1	8.6	8.7	10.0
100 ~ 120	4.9	5.5	6.2	6.2	6.3	6.8	7.3	8.9	8.9	10.3
120 ~ 140	5.2	5.7	6.4	6.4	6.5	7.0	7.5	9.1	9.2	10.6
140 ~ 160	5.4	5.8	6.5	6.6	6.7	7.2	7.8	9.4	9.5	10.9

Constants of dn/dt		
D ₀	D ₁	D ₂
3.63E-06	1.84E-08	-2.29E-11
E ₀	E ₁	λ_{TK}
1.17E-06	7.95E-10	2.59E-01