H-ZBaF3	657511	n_d = 1.65691	υ_d = 51.12	$n_F - n_C$ = 0.012850
		n_e = 1.65996	υ_e = 50.88	$n_F - n_{C'}$ = 0.012970

Refractive Indices		
	λ (nm)	n_λ
n_{2325}	2325.42	1.62663
n_{1970}	1970.09	1.63127
n_{1530}	1529.58	1.63649
n_{1129}	1128.64	1.64148
n_{1064}	1064.00	1.64245
n_t	1013.98	1.64326
n_s	852.11	1.64648
$n_{A'}$	768.19	1.64877
n_r	706.52	1.65091
n_C	656.27	1.65306
$n_{C'}$	643.85	1.65368
n_{He-Ne}	632.80	1.65424
n_D	589.29	1.65680
n_d	587.56	1.65691
n_e	546.07	1.65996
n_F	486.13	1.66591
$n_{F'}$	479.99	1.66665
n_g	435.84	1.67306
n_h	404.66	1.67907
n_i	365.01	1.68947

Relative Partial Dispersion	
$P_{d,C}$	0.2996
$P_{e,d}$	0.2374
$P_{g,F}$	0.5564
$P'_{d,c'}$	0.2490
$P'_{e,d}$	0.2352
$P'_{g,F'}$	0.4942

Chemical Properties (grade)	
RC (S)	1
RA (S)	3
D_W	1
D_A	3
R_{OH} (S)	2
RP (S)	2
CR	1

Internal Transmittance		
λ (nm)	τ5mm	τ10mm
2400	0.938	0.880
2200	0.973	0.947
2000	0.990	0.980
1800	0.999	0.998
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	0.999	0.998
440	0.997	0.994
420	0.994	0.988
400	0.991	0.981
390	0.987	0.968
380	0.976	0.945
370	0.952	0.899
360	0.894	0.798
350	0.782	0.611
340	0.555	0.308
330	0.217	0.050
320		
310		
300		
290		
280		

Deviation of Relative Partial Dispersions	
$\triangle P_{F,e}$	0.0011
$\triangle P_{g,F}$	-0.0023
$\triangle P_{C,t}$	-0.0252
$\triangle P_{C,s}$	-0.0110

Expansion Coefficient α (×10^{-7}/K)	
℃	α
-50/-40	67
-40/-30	70
-30/-20	71
-20/-10	72
-10/0	74
0/10	75
10/20	76
20/30	76
30/40	77
40/50	78
50/60	78
60/70	79
70/80	80
80/90	81
90/100	82
100/110	83
110/120	83
120/130	84
130/140	85
140/150	86
150/160	87

Thermal Properties	
Tg (℃)	654
Ts (℃)	705
$T_{10}^{14.5}$ (℃)	590
T_{10}^{13} (℃)	631
$\alpha_{-50/80℃}$ (10^{-7}/K)	74
$\alpha_{100/300℃}$ (10^{-7}/K)	88
λ (W/(m K))	0.82

Mechanical Properties	
HK (10^7Pa)	520
F_A	139
E (GPa)	80.4
G (GPa)	31.1
μ	0.292
σ_b (MPa)	77
B (10^{-12}/Pa)	1.83

Constants of Dispersion Formula	
A_0	2.69121166E+00
A_1	-9.00413519E-03
A_2	1.83609733E-02
A_3	5.31180896E-04
A_4	-2.10926709E-05
A_5	1.72686254E-06

Density		Solarization	
ρ (g/cm^3)	3.89	△λ (%)	-0.2

Range of Temperature (℃)	Temperature Coefficients of Refractive Index dn/dt relative (×10^{-6} / ℃)									
	t	s	C	C'	He-Ne	d	e	F	F'	g
-60 ~ -40	2.2	2.5	2.8	2.8	2.8	3.0	3.2	3.6	3.6	4.2
-40 ~ -20	2.2	2.5	2.8	2.8	2.8	2.9	3.2	3.6	3.6	4.2
-20 ~ 0	2.3	2.6	2.8	2.8	2.9	3.1	3.2	3.7	3.7	4.3
0 ~ 20	2.3	2.6	2.8	2.8	2.9	3.1	3.3	3.7	3.7	4.4
20 ~ 40	2.3	2.6	2.9	2.9	2.9	3.1	3.3	3.7	3.7	4.4
40 ~ 60	2.4	2.7	2.9	2.9	3.0	3.2	3.5	3.9	3.9	4.5
60 ~ 80	2.4	2.7	2.9	3.0	3.1	3.3	3.5	4.1	4.1	4.7
80 ~ 100	2.6	2.8	3.0	3.1	3.2	3.4	3.6	4.2	4.2	4.8
100 ~ 120	2.7	2.9	3.1	3.2	3.3	3.4	3.6	4.4	4.4	5.1
120 ~ 140	2.7	2.9	3.2	3.3	3.4	3.6	3.7	4.5	4.5	5.2
140 ~ 160	2.9	3.0	3.3	3.4	3.5	3.8	3.9	4.8	4.9	5.5

Coloration Code	
$\lambda_{80}(\lambda_{70})/\lambda_5$	375/335
Coloration of Internal Transmittance	
$\lambda\tau_{80}/\lambda\tau_5$	360/330

Constants of dn/dt		
D_0	D_1	D_2
1.08E-06	1.18E-08	-1.50E-11
E_0	E_1	λ_{TK}
4.84E-07	5.39E-10	2.70E-01

NHG