H-ZLaF70B	904313	n_d = 1.90366	υ_d = 31.32	$n_F - n_C$ = 0.028857
		n_e = 1.91048	υ_e = 31.08	$n_F - n_{C'}$ = 0.029295

Refractive Indices		
	λ (nm)	n_λ
n_{2325}	2325.42	
n_{1970}	1970.09	
n_{1530}	1529.58	
n_{1129}	1128.64	1.87171
n_{1064}	1064.00	1.87351
n_t	1013.98	1.87507
n_s	852.11	1.88146
$n_{A'}$	768.19	1.88615
n_r	706.52	1.89064
n_C	656.27	1.89526
$n_{C'}$	643.85	1.89657
n_{He-Ne}	632.80	1.89779
n_D	589.29	1.90340
n_d	587.56	1.90366
n_e	546.07	1.91048
n_F	486.13	1.92412
$n_{F'}$	479.99	1.92587
n_g	435.84	1.94134
n_h	404.66	1.95653
n_i	365.01	1.98473

Relative Partial Dispersion	
$P_{d,C}$	0.2911
$P_{e,d}$	0.2363
$P_{g,F}$	0.5967
$P'_{d,C'}$	0.2420
$P'_{e,d}$	0.2328
$P'_{g,F'}$	0.5281

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

Internal Transmittance		
λ (nm)	τ5mm	τ10mm
2400	0.871	0.758
2200	0.959	0.919
2000	0.983	0.966
1800	0.994	0.988
1600	0.998	0.996
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	0.997
550	0.998	0.995
500	0.993	0.986
480	0.990	0.980
460	0.984	0.969
440	0.974	0.949
420	0.954	0.910
400	0.901	0.812
390	0.839	0.704
380	0.713	0.508
370	0.471	0.222
360	0.160	0.026
350		
340		
330		
320		
310		
300		
290		
280		

Deviation of Relative Partial Dispersions	
$\triangle P_{F,e}$	-0.0002
$\triangle P_{g,F}$	0.0052
$\triangle P_{C,t}$	0.0078
$\triangle P_{C,s}$	0.0027

Expansion Coefficient α (×10^{-7}/K)	
℃	α
-50/-40	62
-40/-30	63
-30/-20	64
-20/-10	65
-10/0	67
0/10	68
10/20	68
20/30	70
30/40	70
40/50	71
50/60	73
60/70	73
70/80	74
80/90	75
90/100	76
100/110	76
110/120	79
120/130	79
130/140	80
140/150	81
150/160	83

Thermal Properties	
Tg (℃)	684
Ts (℃)	708
$T_{10}^{14.5}$ (℃)	560
T_{10}^{13} (℃)	648
$\alpha_{-50/80℃}$ (10^{-7}/K)	68
$\alpha_{100/300℃}$ (10^{-7}/K)	85
λ (W/(m K))	0.91

Mechanical Properties	
HK (10^7Pa)	690
F_A	131
E (GPa)	121.8
G (GPa)	46.7
μ	0.302
σ_b (MPa)	99
B (10^{-12}/Pa)	1.20

Constants of Dispersion Formula	
A_0	3.48732094E+00
A_1	-1.53300569E-02
A_2	4.38552114E-02
A_3	1.76295737E-03
A_4	-3.48293322E-05
A_5	1.26414315E-05

Density		Solarization	
ρ (g/cm^3)	4.53	△λ (%)	-0.9

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	1.0	1.2	1.6	1.7	1.8	1.9	2.3	2.5	2.6	5.2
-40 ~ -20	1.0	1.3	1.7	1.8	1.9	2.2	2.6	2.9	2.9	5.4
-20 ~ 0	1.2	1.4	1.8	1.9	2.0	2.4	2.7	3.0	3.1	5.5
0 ~ 20	1.2	1.6	2.0	2.1	2.2	2.5	2.9	3.1	3.2	5.8
20 ~ 40	1.2	1.7	2.1	2.2	2.3	2.7	3.1	3.3	3.4	6.0
40 ~ 60	1.3	1.8	2.1	2.2	2.4	2.8	3.3	3.5	3.6	6.1
60 ~ 80	1.5	2.0	2.4	2.5	2.6	3.0	3.5	3.8	3.9	6.5
80 ~ 100	1.6	2.1	2.4	2.6	2.7	3.2	3.6	3.9	4.0	6.7
100 ~ 120	1.7	2.2	2.5	2.6	2.7	3.4	3.7	4.0	4.1	6.9
120 ~ 140	1.8	2.4	2.7	2.7	2.9	3.4	3.8	4.1	4.2	7.1
140 ~ 160	1.9	2.6	2.9	3.0	3.2	3.6	4.0	4.3	4.4	7.4

Coloration Code	
$\lambda_{80}(\lambda_{70})/\lambda_5$	(405)/365
Coloration of Internal Transmittance	
$\lambda\tau_{80}/\lambda\tau_5$	398/361

Constants of dn/dt		
D_0	D_1	D_2
-5.63E-07	1.42E-08	-2.54E-11
E_0	E_1	λ_{TK}
2.54E-07	1.45E-10	3.85E-01

NHG