H-ZLaF86	883270	n_d = 1.88252	υ_d = 27.00	$n_F - n_C$ = 0.032686
		n_e = 1.89022	υ_e = 26.78	$n_F - n_{C'}$ = 0.033246

Refractive Indices		
	λ (nm)	n_λ
n_{2325}	2325.42	1.82367
n_{1970}	1970.09	1.83046
n_{1530}	1529.58	1.83859
n_{1129}	1128.64	1.84749
n_{1064}	1064.00	1.84939
n_t	1013.98	1.85103
n_s	852.11	1.85790
$n_{A'}$	768.19	1.86304
n_r	706.52	1.86800
n_C	656.27	1.87312
$n_{C'}$	643.85	1.87457
n_{He-Ne}	632.80	1.87595
n_D	589.29	1.88223
n_d	587.56	1.88252
n_e	546.07	1.89022
n_F	486.13	1.90581
$n_{F'}$	479.99	1.90782
n_g	435.84	1.92583
n_h	404.66	1.94392
n_i	365.01	1.97855

Relative Partial Dispersion	
$P_{d,C}$	0.2876
$P_{e,d}$	0.2356
$P_{g,F}$	0.6125
$P'_{d,c'}$	0.2391
$P'_{e,d}$	0.2316
$P'_{g,F'}$	0.5417

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

Internal Transmittance		
λ (nm)	τ5mm	τ10mm
2400	0.969	0.938
2200	0.987	0.975
2000	0.995	0.991
1800	0.998	0.997
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	0.998	0.997
650	0.998	0.997
600	0.997	0.995
550	0.993	0.987
500	0.982	0.965
480	0.975	0.950
460	0.964	0.929
440	0.944	0.891
420	0.902	0.813
400	0.804	0.647
390	0.701	0.491
380	0.512	0.262
370	0.230	0.053
360		
350		
340		
330		
320		
310		
300		
290		
280		

Deviation of Relative Partial Dispersions	
$\triangle P_{F,e}$	0.0017
$\triangle P_{g,F}$	0.0137
$\triangle P_{C,t}$	0.0049
$\triangle P_{C,s}$	0.0004

Expansion Coefficient α (×10^{-7}/K)	
℃	α
-50/-40	60
-40/-30	63
-30/-20	63
-20/-10	65
-10/0	68
0/10	69
10/20	70
20/30	73
30/40	74
40/50	75
50/60	75
60/70	75
70/80	76
80/90	76
90/100	76
100/110	77
110/120	78
120/130	79
130/140	80
140/150	81
150/160	83

Thermal Properties	
Tg (℃)	717
Ts (℃)	762
$T_{10}^{14.5}$ (℃)	678
T_{10}^{13} (℃)	709
$\alpha_{-50/80℃}$ (10^{-7}/K)	70
$\alpha_{100/300℃}$ (10^{-7}/K)	83
λ (W/(m K))	1.13

Mechanical Properties	
HK (10^7Pa)	608
F_A	94
E (GPa)	112.2
G (GPa)	43.3
μ	0.294
σ_b (MPa)	97
B (10^{-12}/Pa)	1.66

Constants of Dispersion Formula	
A_0	3.39234287E+00
A_1	-1.39491556E-02
A_2	4.74887284E-02
A_3	2.28412158E-03
A_4	-8.32791862E-05
A_5	2.34034525E-05

Density	
ρ (g/cm^3)	4.05

Solarization	
△λ (%)	-0.7

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	1.2	1.8	2.1	2.1	2.2	2.4	3.2	4.3	4.5	6.4
-40 ~ -20	1.3	1.9	2.2	2.3	2.4	2.6	3.4	4.5	4.7	6.6
-20 ~ 0	1.4	2.1	2.3	2.5	2.6	2.8	3.5	4.6	4.8	6.7
0 ~ 20	1.6	2.3	2.5	2.6	2.7	3.1	3.7	4.8	4.9	6.9
20 ~ 40	1.8	2.5	2.8	2.9	2.9	3.2	3.8	5.0	5.1	7.1
40 ~ 60	2.0	2.6	2.9	3.0	3.0	3.4	4.1	5.1	5.3	7.3
60 ~ 80	2.1	2.8	3.2	3.3	3.3	3.5	4.3	5.2	5.4	7.6
80 ~ 100	2.3	3.0	3.3	3.4	3.4	3.6	4.5	5.4	5.5	7.7
100 ~ 120	2.3	3.1	3.5	3.6	3.6	3.9	4.6	5.5	5.6	7.9
120 ~ 140	2.4	3.2	3.7	3.8	3.9	4.1	4.7	5.6	5.7	8.2
140 ~ 160	2.5	3.3	3.8	3.9	4.0	4.3	4.9	5.9	6.0	8.4

Coloration Code	
$\lambda_{80}(\lambda_{70})/\lambda_5$	(430)/370
Coloration of Internal Transmittance	
$\lambda\tau_{80}/\lambda\tau_5$	418/370

Constants of dn/dt		
D_0	D_1	D_2
-4.29E-07	1.62E-08	-2.51E-11
E_0	E_1	λ_{TK}
5.81E-07	5.62E-12	3.40E-01

NHG