H-ZLaF67 881401

n_d = 1.88100	υ_d = 40.13	$n_F - n_C$ = 0.021952
n_e = 1.88622	υ_e = 39.90	$n_{F'} - n_{C'}$ = 0.022209

Refractive Indices		
	λ (nm)	n_λ
n_{2325}	2325.42	1.83527
n_{1970}	1970.09	1.84141
n_{1530}	1529.58	1.84851
n_{1129}	1128.64	1.85576
n_{1064}	1064.00	1.85723
n_t	1013.98	1.85849
n_s	852.11	1.86362
$n_{A'}$	768.19	1.86735
n_r	706.52	1.87088
n_C	656.27	1.87450
$n_{C'}$	643.85	1.87552
n_{He-Ne}	632.80	1.87648
n_D	589.29	1.88081
n_d	587.56	1.88100
n_e	546.07	1.88622
n_F	486.13	1.89645
$n_{F'}$	479.99	1.89773
n_g	435.84	1.90896
n_h	404.66	1.91961
n_i	365.01	1.93853

Constants of Dispersion Formula	
A_0	3.43263393E+00
A_1	-1.31007856E-02
A_2	3.45483476E-02
A_3	1.34177704E-03
A_4	-7.37786129E-05
A_5	7.34356017E-06

Density	
ρ (g/cm^3)	5.20

Solarization	
△λ (%)	-0.5

Relative Partial Dispersion	
$P_{d,C}$	0.2961
$P_{e,d}$	0.2378
$P_{g,F}$	0.5699
$P'_{d,c'}$	0.2467
$P'_{e,d}$	0.2350
$P'_{g,F'}$	0.5057

Deviation of Relative Partial Dispersions	
$\Delta P_{F,e}$	-0.0020
$\Delta P_{g,F}$	-0.0071
$\Delta P_{C,t}$	-0.0053
$\Delta P_{C,s}$	-0.0011

Thermal Properties	
Tg (℃)	715
Ts (℃)	754
$T_{10}^{14.5}$ (℃)	647
T_{10}^{13} (℃)	677
$\alpha_{-50/80℃}$ (10^{-7}/K)	71
$\alpha_{100/300℃}$ (10^{-7}/K)	86
λ (W/(m·K))	0.84

Mechanical Properties	
HK (10^7Pa)	710
F_A	71
E (GPa)	122.0
G (GPa)	46.9
μ	0.300
σ_b (MPa)	91.5
B (10^{-12}/Pa)	1.09

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

Expansion Coefficient α (×10^{-7}/K)	
℃	α
-50/-40	64
-40/-30	66
-30/-20	68
-20/-10	69
-10/0	70
0/10	71
10/20	73
20/30	74
30/40	74
40/50	75
50/60	75
60/70	76
70/80	76
80/90	77
90/100	78
100/110	79
110/120	80
120/130	81
130/140	82
140/150	84
150/160	85

Internal Transmittance		
λ (nm)	τ5mm	τ10mm
2400	0.945	0.893
2200	0.980	0.972
2000	0.994	0.989
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	0.994	0.989
480	0.990	0.981
460	0.985	0.969
440	0.977	0.956
420	0.970	0.940
400	0.950	0.903
390	0.928	0.862
380	0.891	0.794
370	0.839	0.704
360	0.753	0.567
350	0.604	0.364
340	0.361	0.130
330	0.102	0.010
320		
310		
300		
290		
280		

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	4.1	4.7	5.0	5.1	5.2	5.4	5.7	6.5	6.6	7.5
-40 ~ -20	4.1	4.7	5.0	5.1	5.2	5.5	5.8	6.6	6.7	7.6
-20 ~ 0	4.0	4.7	5.1	5.1	5.2	5.5	5.8	6.7	6.8	7.7
0 ~ 20	4.0	4.7	5.1	5.1	5.2	5.5	5.9	6.8	6.9	7.7
20 ~ 40	4.0	4.8	5.1	5.2	5.2	5.6	5.8	6.9	6.9	7.9
40 ~ 60	4.1	4.9	5.2	5.3	5.3	5.7	6.0	7.0	7.0	8.0
60 ~ 80	4.3	5.0	5.4	5.4	5.5	5.8	6.2	7.1	7.1	8.3
80 ~ 100	4.4	5.1	5.5	5.5	5.6	6.0	6.2	7.3	7.3	8.4
100 ~ 120	4.5	5.2	5.6	5.7	5.8	6.2	6.5	7.3	7.4	8.6
120 ~ 140	4.5	5.3	5.7	5.8	5.9	6.2	6.6	7.4	7.5	8.7
140 ~ 160	4.7	5.4	5.8	5.9	6.0	6.4	6.7	7.6	7.7	8.9

Coloration Code	
$\lambda_{80}(\lambda_{70})/\lambda_5$	(390)/340
Coloration of Internal Transmittance	
$\lambda\tau_{80}/\lambda\tau_5$	380/336

Constants of dn/dt		
D_0	D_1	D_2
3.08E-06	1.15E-08	-1.54E-11
E_0	E_1	λ_{TK}
7.31E-07	3.03E-10	2.44E-01