H-ZLaF64	871407	n_d = 1.87070	υ_d = 40.73	$n_F - n_C$ = 0.021378
		n_e = 1.87578	υ_e = 40.48	$n_F - n_{C'}$ = 0.021636

Refractive Indices		
	λ (nm)	n_λ
n_{2325}	2325.42	
n_{1970}	1970.09	
n_{1530}	1529.58	
n_{1129}	1128.64	
n_{1064}	1064.00	
n_t	1013.98	1.84858
n_s	852.11	1.85367
$n_{A'}$	768.19	1.85735
n_r	706.52	1.86082
n_C	656.27	1.86436
$n_{C'}$	643.85	1.86536
n_{He-Ne}	632.80	1.86629
n_D	589.29	1.87052
n_d	587.56	1.87070
n_e	546.07	1.87578
n_F	486.13	1.88573
$n_{F'}$	479.99	1.88699
n_g	435.84	1.89788
n_h	404.66	1.90822
n_i	365.01	1.92642

Relative Partial Dispersion	
$P_{d,C}$	0.2966
$P_{e,d}$	0.2376
$P_{g,F}$	0.5683
$P'_{d,c'}$	0.2468
$P'_{e,d}$	0.2348
$P'_{g,F'}$	0.5033

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	0.900	0.810
2200	0.973	0.947
2000	0.988	0.976
1800	0.996	0.993
1600	0.998	0.997
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	0.998	0.997
500	0.996	0.992
480	0.993	0.986
460	0.989	0.979
440	0.985	0.970
420	0.978	0.957
400	0.966	0.933
390	0.954	0.911
380	0.934	0.873
370	0.902	0.814
360	0.853	0.727
350	0.773	0.598
340	0.645	0.416
330	0.427	0.182
320	0.164	0.027
310		
300		
290		
280		

Deviation of Relative Partial Dispersions	
$\triangle P_{F,e}$	-0.0023
$\triangle P_{g,F}$	-0.0076
$\triangle P_{C,t}$	0.0007
$\triangle P_{C,s}$	0.0019

Expansion Coefficient α (×10^{-7}/K)	
℃	α
-50/-40	62
-40/-30	62
-30/-20	63
-20/-10	66
-10/0	67
0/10	67
10/20	69
20/30	70
30/40	71
40/50	72
50/60	72
60/70	72
70/80	73
80/90	75
90/100	76
100/110	76
110/120	77
120/130	77
130/140	80
140/150	81
150/160	83

Thermal Properties	
Tg (℃)	719
Ts (℃)	746
$T_{10}^{14.5}$ (℃)	689
T_{10}^{13} (℃)	706
$\alpha_{-50/80℃}$ (10^{-7}/K)	68
$\alpha_{100/300℃}$ (10^{-7}/K)	84
λ (W/(m K))	0.88

Mechanical Properties	
HK (10^7Pa)	671
F_A	91
E (GPa)	123.4
G (GPa)	46.9
μ	0.316
σ_b (MPa)	116
B (10^{-12}/Pa)	0.90

Constants of Dispersion Formula	
A_0	3.39546999E+00
A_1	-1.28894532E-02
A_2	3.53964334E-02
A_3	5.98603397E-04
A_4	3.77588400E-05
A_5	6.23039754E-07

Density	
ρ (g/cm^3)	4.84

Solarization	
△λ (%)	-0.8

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	1.5	1.7	1.8	1.9	2.0	2.1	2.3	2.5	2.6	3.2
-40 ~ -20	1.5	1.8	1.9	2.0	2.2	2.3	2.5	2.8	2.9	3.6
-20 ~ 0	1.7	2.0	2.2	2.3	2.5	2.6	2.9	3.2	3.4	4.1
0 ~ 20	1.9	2.3	2.5	2.6	2.7	2.9	3.3	3.6	3.7	4.6
20 ~ 40	2.1	2.6	2.8	2.9	3.0	3.3	3.6	3.9	4.0	5.1
40 ~ 60	2.3	2.8	3.1	3.2	3.3	3.5	4.0	4.2	4.3	5.5
60 ~ 80	2.4	3.0	3.4	3.4	3.5	3.8	4.3	4.4	4.5	5.8
80 ~ 100	2.5	3.2	3.4	3.5	3.6	4.0	4.5	4.7	4.8	6.0
100 ~ 120	2.5	3.3	3.6	3.6	3.7	4.1	4.7	4.9	5.0	6.1
120 ~ 140	2.7	3.3	3.7	3.8	3.9	4.3	4.9	5.2	5.3	6.4
140 ~ 160	2.9	3.5	3.8	3.9	4.0	4.5	5.1	5.4	5.5	6.7

Coloration Code	
$\lambda_{80}(\lambda_{70})/\lambda_5$	(375)/325
Coloration of Internal Transmittance	
$\lambda\tau_{80}/\lambda\tau_5$	368/322

Constants of dn/dt		
D_0	D_1	D_2
-2.08E-07	1.66E-08	-3.59E-11
E_0	E_1	λ_{TK}
6.54E-07	1.08E-09	1.91E-01

NHG