H-LaK8A	720503	n_d = 1.72000	υ_d = 50.34	$n_F - n_C$ = 0.014302
		n_e = 1.72341	υ_e = 50.10	$n_F - n_{C'}$ = 0.014439

Refractive Indices		
	λ (nm)	n_λ
n_{2325}	2325.42	1.68225
n_{1970}	1970.09	1.68879
n_{1530}	1529.58	1.69593
n_{1129}	1128.64	1.70232
n_{1064}	1064.00	1.70349
n_t	1013.98	1.70446
n_s	852.11	1.70823
$n_{A'}$	768.19	1.71084
n_r	706.52	1.71325
n_C	656.27	1.71568
$n_{C'}$	643.85	1.71636
n_{He-Ne}	632.80	1.71700
n_D	589.29	1.71987
n_d	587.56	1.72000
n_e	546.07	1.72341
n_F	486.13	1.72998
$n_{F'}$	479.99	1.73080
n_g	435.84	1.73785
n_h	404.66	1.74443
n_i	365.01	1.75588

Relative Partial Dispersion	
$P_{d,C}$	0.3021
$P_{e,d}$	0.2384
$P_{g,F}$	0.5503
$P'_{d,c'}$	0.2521
$P'_{e,d}$	0.2362
$P'_{g,F'}$	0.4883

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

Internal Transmittance		
λ (nm)	τ5mm	τ10mm
2400	0.828	0.686
2200	0.946	0.895
2000	0.991	0.982
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	0.998	0.996
440	0.997	0.994
420	0.995	0.990
400	0.992	0.983
390	0.987	0.974
380	0.979	0.959
370	0.965	0.931
360	0.945	0.880
350	0.900	0.804
340	0.812	0.689
330	0.717	0.530
320	0.581	0.330
310	0.326	0.110
300	0.088	0.008
290		
280		

Deviation of Relative Partial Dispersions	
$\triangle P_{F,e}$	-0.0030
$\triangle P_{g,F}$	-0.0097
$\triangle P_{C,t}$	0.0005
$\triangle P_{C,s}$	-0.0003

Expansion Coefficient α (×10^{-7}/K)	
℃	α
-50/-40	63
-40/-30	66
-30/-20	68
-20/-10	68
-10/0	69
0/10	70
10/20	71
20/30	71
30/40	72
40/50	72
50/60	73
60/70	73
70/80	74
80/90	74
90/100	75
100/110	75
110/120	76
120/130	77
130/140	79
140/150	80
150/160	81

Thermal Properties	
Tg (℃)	650
Ts (℃)	679
$T_{10}^{14.5}$ (℃)	588
T_{10}^{13} (℃)	616
$\alpha_{-50/80℃}$ (10^{-7}/K)	71
$\alpha_{100/300℃}$ (10^{-7}/K)	88
λ (W/(m K))	0.96

Mechanical Properties	
HK (10^7Pa)	606
F_A	108
E (GPa)	107.5
G (GPa)	40.9
μ	0.313
σ_b (MPa)	76
B (10^{-12}/Pa)	1.73

Constants of Dispersion Formula	
A_0	2.89933470E+00
A_1	-1.34878716E-02
A_2	1.90766692E-02
A_3	1.36400166E-03
A_4	-1.50217455E-04
A_5	9.16048470E-06

Density		Solarization	
ρ (g/cm^3)	3.87	△λ (%)	-0.5

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	2.0	2.2	2.4	2.5	2.5	2.6	2.9	3.3	3.3	3.6
-40 ~ -20	1.9	2.2	2.4	2.4	2.5	2.6	2.9	3.3	3.4	3.7
-20 ~ 0	1.9	2.2	2.4	2.4	2.5	2.6	3.0	3.3	3.4	3.8
0 ~ 20	2.0	2.2	2.5	2.5	2.6	2.7	3.0	3.3	3.4	3.8
20 ~ 40	2.0	2.3	2.5	2.5	2.6	2.7	3.0	3.4	3.4	3.9
40 ~ 60	2.1	2.4	2.5	2.5	2.6	2.8	3.1	3.5	3.5	4.0
60 ~ 80	2.2	2.5	2.6	2.7	2.7	2.9	3.3	3.7	3.7	4.2
80 ~ 100	2.2	2.5	2.7	2.7	2.8	3.0	3.4	3.8	3.8	4.3
100 ~ 120	2.3	2.7	2.9	2.9	3.0	3.2	3.6	3.9	4.0	4.6
120 ~ 140	2.5	2.8	3.0	3.1	3.1	3.4	3.8	4.0	4.1	4.7
140 ~ 160	2.6	2.9	3.2	3.3	3.3	3.6	4.0	4.2	4.3	5.0

Coloration Code	
$\lambda_{80}(\lambda_{70})/\lambda_5$	370/305
Coloration of Internal Transmittance	
$\lambda\tau_{80}/\lambda\tau_5$	345/305

Constants of dn/dt		
D_0	D_1	D_2
1.67E-07	1.21E-08	-1.18E-11
E_0	E_1	λ_{TK}
5.40E-07	3.41E-10	2.06E-01

NHG