H-LaK6 694533

$n_d = 1.69350$	$\upsilon_d = 53.31$	$n_F - n_C = 0.013008$
$n_e = 1.69660$	$\upsilon_e = 53.11$	$n_{F'} - n_{C'} = 0.013115$

Refractive Indices		
	λ (nm)	n_λ
n_{2325}	2325.42	1.65451
n_{1970}	1970.09	1.66191
n_{1530}	1529.58	1.66989
n_{1129}	1128.64	1.67672
n_{1064}	1064.00	1.67791
n_t	1013.98	1.67889
n_s	852.11	1.68258
$n_{A'}$	768.19	1.68506
n_r	706.52	1.68731
n_C	656.27	1.68955
$n_{C'}$	643.85	1.69018
n_{He-Ne}	632.80	1.69076
n_D	589.29	1.69337
n_d	587.56	1.69350
n_e	546.07	1.69660
n_F	486.13	1.70256
$n_{F'}$	479.99	1.70330
n_g	435.84	1.70965
n_h	404.66	1.71556
n_i	365.01	1.72565

Relative Partial Dispersion	
$P_{d,C}$	0.3037
$P_{e,d}$	0.2383
$P_{g,F}$	0.5450
$P'_{d,c'}$	0.2531
$P'_{e,d}$	0.2364
$P'_{g,F'}$	0.4842

Deviation of Relative Partial Dispersions	
$\Delta P_{F,e}$	-0.0026
$\Delta P_{g,F}$	-0.0100
$\Delta P_{C,t}$	0.0211
$\Delta P_{C,s}$	0.0075

Thermal Properties	
Tg (℃)	646
Ts (℃)	674
$T_{10}^{14.5}$ (℃)	580
T_{10}^{13} (℃)	625
$\alpha_{-50/80℃}$ (10^{-7}/K)	51
$\alpha_{100/300℃}$ (10^{-7}/K)	67
λ (W/(m·K))	0.94

Mechanical Properties	
HK (10^7Pa)	665
F_A	84
E (GPa)	109.8
G (GPa)	42.0
μ	0.309
σ_b (MPa)	86.7
B (10^{-12}/Pa)	1.96

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

Expansion Coefficient α ($\times 10^{-7}$/K)	
℃	α
-50/-40	46
-40/-30	47
-30/-20	49
-20/-10	50
-10/0	51
0/10	52
10/20	52
20/30	53
30/40	54
40/50	54
50/60	55
60/70	55
70/80	56
80/90	56
90/100	57
100/110	58
110/120	58
120/130	59
130/140	60
140/150	61
150/160	62

Internal Transmittance		
λ (nm)	τ5mm	τ10mm
2400	0.752	0.566
2200	0.915	0.837
2000	0.983	0.966
1800	0.998	0.996
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	0.999	0.998
440	0.999	0.998
420	0.994	0.989
400	0.990	0.985
390	0.987	0.977
380	0.981	0.966
370	0.971	0.946
360	0.955	0.910
350	0.924	0.856
340	0.879	0.771
330	0.810	0.654
320	0.707	0.499
310	0.551	0.300
300	0.301	0.089
290		
280		

Constants of Dispersion Formula	
A_0	2.81648072E+00
A_1	-1.52313167E-02
A_2	1.76168363E-04
A_3	8.07769313E-04
A_4	-5.32742539E-05
A_5	2.58509025E-06

Density	
ρ (g/cm^3)	3.57

Solarization	
△λ (%)	-1.8

Range of Temperature (℃)	Temperature Coefficients of Refractive Index dn/dt relative ($\times 10^{-6}$ / ℃)									
	t	s	C	C'	He-Ne	d	e	F	F'	g
-60 ~ -40	5.0	5.1	5.2	5.3	5.3	5.4	5.8	6.1	6.1	6.5
-40 ~ -20	4.8	5.1	5.3	5.3	5.4	5.5	5.7	5.9	6.0	6.4
-20 ~ 0	4.7	5.0	5.3	5.3	5.3	5.4	5.6	5.9	6.0	6.4
0 ~ 20	4.7	5.0	5.2	5.2	5.3	5.3	5.6	5.9	6.0	6.4
20 ~ 40	4.6	5.0	5.2	5.2	5.3	5.4	5.7	6.0	6.1	6.5
40 ~ 60	4.9	5.1	5.3	5.3	5.4	5.6	5.8	6.2	6.3	6.7
60 ~ 80	5.0	5.2	5.4	5.5	5.6	5.8	6.0	6.4	6.5	6.9
80 ~ 100	5.0	5.3	5.6	5.7	5.8	6.0	6.1	6.5	6.6	7.0
100 ~ 120	5.1	5.4	5.8	5.9	6.0	6.1	6.4	6.8	6.9	7.3
120 ~ 140	5.1	5.5	5.9	6.0	6.1	6.3	6.6	7.0	7.1	7.5
140 ~ 160	5.0	5.4	6.0	6.0	6.1	6.3	6.7	7.2	7.3	7.6

Coloration Code	
$\lambda_{80}(\lambda_{70})/\lambda_5$	360/300
Coloration of Internal Transmittance	
$\lambda\tau_{80}/\lambda\tau_5$	338/297

Constants of dn/dt		
D_0	D_1	D_2
5.25E-06	1.04E-08	-7.12E-12
E_0	E_1	λ_{TK}
6.31E-07	9.91E-10	6.71E-02