

H-LaK61	741527	$n_d = 1.74100$	$v_d = 52.70$	$n_F - n_C = 0.014060$
		$n_e = 1.74435$	$v_e = 52.41$	$n_{F'} - n_{C'} = 0.014203$

Refractive Indices		
	λ (nm)	n_λ
n_{2325}	2325.42	1.70124
n_{1970}	1970.09	1.70844
n_{1530}	1529.58	1.71627
n_{1129}	1128.64	1.72315
n_{1064}	1064.00	1.72438
n_t	1013.98	1.72540
n_s	852.11	1.72928
$n_{A'}$	768.19	1.73191
n_r	706.52	1.73432
n_C	656.27	1.73673
$n_{C'}$	643.85	1.73741
n_{He-Ne}	632.80	1.73805
n_D	589.29	1.74087
n_d	587.56	1.74100
n_e	546.07	1.74435
n_F	486.13	1.75079
$n_{F'}$	479.99	1.75161
n_g	435.84	1.75850
n_h	404.66	1.76491
n_i	365.01	1.77586

Constants of Dispersion Formula	
A_0	2.97212067E+00
A_1	-1.51048406E-02
A_2	2.02885560E-02
A_3	7.34194347E-04
A_4	-3.75051084E-05
A_5	1.82377017E-06

Density	
ρ (g/cm ³)	4.10

Solarization	
$\Delta\lambda$ (%)	-4.1

Relative Partial Dispersion	
$P_{d,C}$	0.3037
$P_{e,d}$	0.2383
$P_{g,F}$	0.5484
$P'_{d,c'}$	0.2528
$P'_{e,d}$	0.2359
$P'_{g,F'}$	0.4851

Deviation of Relative Partial Dispersions	
$\Delta P_{F,e}$	-0.0031
$\Delta P_{g,F}$	-0.0077
$\Delta P_{C,t}$	0.0103
$\Delta P_{C,s}$	0.0030

Thermal Properties	
T _g (°C)	668
T _s (°C)	693
T ₁₀ ^{14.5} (°C)	601
T ₁₀ ¹³ (°C)	635
$\alpha_{50/80^\circ C}$ (10 ⁻⁷ /K)	56
$\alpha_{100/300^\circ C}$ (10 ⁻⁷ /K)	71
λ (W/(m·K))	0.96

Mechanical Properties	
HK (10 ⁷ Pa)	706
F _A	67
E (GPa)	119.9
G (GPa)	45.2
μ	0.327
σ_b (MPa)	80.5
B (10 ⁻¹² /Pa)	1.49

Chemical Properties (grade)	
RC (S)	1
RA (S)	2
D _W	1
D _A	3
R _{OH} (S)	1
RP (S)	2

Expansion Coefficient α (×10 ⁻⁷ /K)	
°C	α
-50/-40	49
-40/-30	51
-30/-20	52
-20/-10	53
-10/0	54
0/10	55
10/20	56
20/30	57
30/40	57
40/50	58
50/60	58
60/70	59
70/80	59
80/90	60
90/100	61
100/110	61
110/120	62
120/130	63
130/140	64
140/150	65
150/160	66

Internal Transmittance		
λ (nm)	τ_{5mm}	τ_{10mm}
2400	0.783	0.613
2200	0.930	0.865
2000	0.986	0.972
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	0.999	0.998
440	0.999	0.998
420	0.999	0.998
400	0.997	0.993
390	0.995	0.988
380	0.990	0.979
370	0.983	0.964
360	0.969	0.935
350	0.948	0.893
340	0.914	0.831
330	0.866	0.746
320	0.804	0.641
310	0.728	0.526
300	0.644	0.411
290	0.551	0.300
280	0.444	0.193

Coloration Code	
$\lambda_{80}(\lambda_{70})/\lambda_5$	360/275
Coloration of Internal Transmittance	
$\lambda\tau_{80}/\lambda\tau_5$	336/265

Range of Temperature (°C)	Temperature Coefficients of Refractive Index									
	dn/dt relative (×10 ⁻⁶ / °C)									
	t	s	C	C'	He-Ne	d	e	F	F'	g
-60 ~ -40	4.6	4.7	4.9	4.9	4.9	5.1	5.3	5.6	5.7	6.2
-40 ~ -20	4.6	4.7	4.8	4.9	5.0	5.2	5.2	5.7	5.8	6.2
-20 ~ 0	4.4	4.7	5.0	5.0	5.0	5.2	5.2	5.7	5.7	6.3
0 ~ 20	4.4	4.7	5.0	5.0	5.0	5.2	5.2	5.8	5.8	6.3
20 ~ 40	4.5	4.7	5.0	5.0	5.0	5.2	5.2	6.0	6.0	6.4
40 ~ 60	4.5	4.8	5.1	5.1	5.2	5.3	5.3	6.2	6.3	6.5
60 ~ 80	4.7	5.0	5.3	5.3	5.4	5.5	5.5	6.3	6.3	6.8
80 ~ 100	4.8	5.1	5.5	5.5	5.5	5.7	5.9	6.4	6.5	7.0
100 ~ 120	4.8	5.2	5.5	5.6	5.6	5.7	6.0	6.5	6.6	7.1
120 ~ 140	5.0	5.3	5.7	5.7	5.8	5.9	6.2	6.6	6.7	7.3
140 ~ 160	5.0	5.4	5.8	5.8	5.9	6.0	6.3	6.7	6.8	7.4

Constants of dn/dt		
D ₀	D ₁	D ₂
4.66E-06	1.23E-08	-1.52E-11
E ₀	E ₁	λ_{TK}
4.36E-07	4.14E-10	2.38E-01