

H-LaK11	651562	$n_d = 1.65100$	$v_d = 56.24$	$n_F - n_C = 0.011576$
		$n_e = 1.65376$	$v_e = 56.02$	$n_{F'} - n_{C'} = 0.011670$

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	1.63688
n_t	1013.98	1.63776
n_s	852.11	1.64113
$n_{A'}$	768.19	1.64340
n_r	706.52	1.64543
n_C	656.27	1.64747
$n_{C'}$	643.85	1.64803
n_{He-Ne}	632.80	1.64856
n_D	589.29	1.65089
n_d	587.56	1.65100
n_e	546.07	1.65376
n_F	486.13	1.65905
$n_{F'}$	479.99	1.65970
n_g	435.84	1.66534
n_h	404.66	1.67056
n_i	365.01	1.67944

Constants of Dispersion Formula	
A_0	2.67752226E+00
A_1	-1.24341775E-02
A_2	1.81020008E-02
A_3	-1.38622158E-04
A_4	6.22866969E-05
A_5	-3.07013984E-06

Density	
ρ (g/cm ³)	3.34

Solarization	
$\Delta\lambda$ (%)	-1.3

Relative Partial Dispersion	
$P_{d,C}$	0.3049
$P_{e,d}$	0.2384
$P_{g,F}$	0.5434
$P'_{d,c'}$	0.2545
$P'_{e,d}$	0.2365
$P'_{g,F'}$	0.4833

Deviation of Relative Partial Dispersions	
$\Delta P_{F,e}$	-0.0022
$\Delta P_{g,F}$	-0.0068
$\Delta P_{C,t}$	0.0262
$\Delta P_{C,s}$	0.0123

Thermal Properties	
T _g (°C)	689
T _s (°C)	723
T ₁₀ ^{14.5} (°C)	646
T ₁₀ ¹³ (°C)	679
$\alpha_{50/80^\circ C}$ (10 ⁻⁷ /K)	40
$\alpha_{100/300^\circ C}$ (10 ⁻⁷ /K)	56
λ (W/(m·K))	1.00

Mechanical Properties	
HK (10 ⁷ Pa)	680
F _A	75
E (GPa)	104.6
G (GPa)	40.4
μ	0.296
σ_b (MPa)	120.5
B (10 ⁻¹² /Pa)	2.27

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

Expansion Coefficient α (×10 ⁻⁷ /K)	
°C	α
-50/-40	32
-40/-30	34
-30/-20	36
-20/-10	36
-10/0	36
0/10	37
10/20	39
20/30	40
30/40	41
40/50	41
50/60	42
60/70	42
70/80	42
80/90	43
90/100	45
100/110	46
110/120	48
120/130	49
130/140	51
140/150	52
150/160	54

Internal Transmittance		
λ (nm)	τ_{5mm}	τ_{10mm}
2400	0.789	0.623
2200	0.933	0.871
2000	0.980	0.961
1800	0.993	0.985
1600	0.997	0.994
1400	0.995	0.991
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	0.997
440	0.998	0.996
420	0.997	0.993
400	0.993	0.987
390	0.989	0.978
380	0.983	0.967
370	0.973	0.947
360	0.956	0.913
350	0.926	0.858
340	0.883	0.781
330	0.817	0.667
320	0.732	0.536
310	0.627	0.393
300	0.508	0.258
290	0.383	0.146
280	0.265	0.070

Coloration Code	
$\lambda_{80}(\lambda_{70})/\lambda_5$	360/280
Coloration of Internal Transmittance	
$\lambda\tau_{80}/\lambda\tau_5$	342/277

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	4.3	4.5	4.6	4.7	4.9	5.1	5.5	5.7	5.8	6.2
-40 ~ -20	4.3	4.5	4.7	4.8	4.9	5.3	5.5	5.7	5.8	6.2
-20 ~ 0	4.3	4.5	4.7	4.9	4.9	5.4	5.6	5.8	5.8	6.3
0 ~ 20	4.3	4.6	4.8	4.9	5.1	5.5	5.6	5.9	5.9	6.4
20 ~ 40	4.4	4.6	4.9	5.0	5.2	5.5	5.6	6.0	6.0	6.5
40 ~ 60	4.4	4.8	4.9	5.0	5.2	5.6	5.8	6.0	6.2	6.7
60 ~ 80	4.5	4.9	5.1	5.2	5.3	5.8	5.9	6.1	6.2	6.9
80 ~ 100	4.5	5.0	5.1	5.3	5.5	5.9	5.9	6.2	6.3	7.0
100 ~ 120	4.5	5.0	5.2	5.4	5.6	6.0	6.1	6.3	6.4	7.2
120 ~ 140	4.6	5.1	5.3	5.5	5.7	6.1	6.2	6.4	6.4	7.3
140 ~ 160	4.6	5.2	5.4	5.5	5.7	6.1	6.2	6.5	6.6	7.4

Constants of dn/dt		
D ₀	D ₁	D ₂
4.70E-06	1.30E-08	-2.38E-11
E ₀	E ₁	λ_{TK}
8.51E-07	6.66E-10	4.15E-14