

H-LaK68	678507	$n_d = 1.67790$	$v_d = 50.72$	$n_F - n_C = 0.013365$
		$n_e = 1.68108$	$v_e = 50.44$	$n_{F'} - n_{C'} = 0.013502$

Refractive Indices		
	λ (nm)	n_λ
n_{2325}	2325.42	1.64478
n_{1970}	1970.09	1.65017
n_{1530}	1529.58	1.65615
n_{1129}	1128.64	1.66167
n_{1064}	1064.00	1.66271
n_t	1013.98	1.66357
n_s	852.11	1.66699
$n_{A'}$	768.19	1.66940
n_r	706.52	1.67162
n_C	656.27	1.67388
$n_{C'}$	643.85	1.67452
n_{He-Ne}	632.80	1.67511
n_D	589.29	1.67778
n_d	587.56	1.67790
n_e	546.07	1.68108
n_F	486.13	1.68724
$n_{F'}$	479.99	1.68802
n_g	435.84	1.69467
n_h	404.66	1.70090
n_i	365.01	1.71174

Constants of Dispersion Formula	
A_0	2.75995716E+00
A_1	-1.07353820E-02
A_2	1.82532687E-02
A_3	9.37020441E-04
A_4	-8.40203685E-05
A_5	5.44074316E-06

Density	
ρ (g/cm ³)	3.86

Solarization	
$\Delta\lambda$ (%)	-0.8

Relative Partial Dispersion	
$P_{d,C}$	0.3008
$P_{e,d}$	0.2379
$P_{g,F}$	0.5559
$P'_{d,c'}$	0.2503
$P'_{e,d}$	0.2355
$P'_{g,F'}$	0.4925

Deviation of Relative Partial Dispersions	
$\Delta P_{F,e}$	-0.0013
$\Delta P_{g,F}$	-0.0034
$\Delta P_{C,t}$	-0.0145
$\Delta P_{C,s}$	-0.0066

Thermal Properties	
Tg (°C)	657
Ts (°C)	698
T ₁₀ ^{14.5} (°C)	594
T ₁₀ ¹³ (°C)	628
$\alpha_{50/80^\circ C}$ (10 ⁻⁷ /K)	74
$\alpha_{100/300^\circ C}$ (10 ⁻⁷ /K)	89
λ (W/(m·K))	0.80

Mechanical Properties	
HK (10 ⁷ Pa)	528
F _A	175
E (GPa)	90.6
G (GPa)	35.2
μ	0.287
σ_b (MPa)	73.5
B (10 ⁻¹² /Pa)	1.67

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

Expansion Coefficient α (×10 ⁻⁷ /K)	
°C	α
-50/-40	67
-40/-30	69
-30/-20	71
-20/-10	72
-10/0	72
0/10	73
10/20	74
20/30	74
30/40	75
40/50	75
50/60	75
60/70	75
70/80	76
80/90	77
90/100	78
100/110	78
110/120	79
120/130	80
130/140	82
140/150	82
150/160	83

Internal Transmittance		
λ (nm)	τ_{5mm}	τ_{10mm}
2400	0.910	0.828
2200	0.968	0.937
2000	0.994	0.989
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	0.998	0.996
550	0.997	0.993
500	0.996	0.990
480	0.995	0.987
460	0.993	0.984
440	0.991	0.981
420	0.989	0.976
400	0.986	0.966
390	0.977	0.954
380	0.967	0.931
370	0.944	0.884
360	0.886	0.781
350	0.756	0.566
340	0.474	0.220
330	0.115	0.016
320		
310		
300		
290		
280		

Coloration Code	
$\lambda_{80}(\lambda_{70})/\lambda_5$	375/335
Coloration of Internal Transmittance	
$\lambda\tau_{80}/\lambda\tau_5$	361/333

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	1.6	1.8	2.0	2.0	2.1	2.2	2.4	2.7	2.7	3.4
-40 ~ -20	1.5	1.8	2.0	2.0	2.1	2.2	2.4	2.8	2.8	3.4
-20 ~ 0	1.5	1.8	1.9	2.0	2.0	2.2	2.5	2.8	2.9	3.4
0 ~ 20	1.6	1.9	2.0	2.0	2.1	2.2	2.5	2.8	2.9	3.5
20 ~ 40	1.6	1.8	2.0	2.0	2.1	2.3	2.6	2.9	2.9	3.5
40 ~ 60	1.7	1.9	2.0	2.0	2.2	2.3	2.7	3.0	3.1	3.6
60 ~ 80	1.7	2.0	2.1	2.1	2.3	2.5	2.8	3.1	3.2	3.8
80 ~ 100	1.8	2.1	2.2	2.2	2.3	2.6	2.9	3.2	3.3	3.9
100 ~ 120	1.9	2.2	2.3	2.3	2.4	2.7	3.0	3.3	3.4	4.0
120 ~ 140	2.0	2.2	2.3	2.4	2.5	2.8	3.2	3.4	3.5	4.1
140 ~ 160	2.0	2.2	2.4	2.5	2.6	2.9	3.4	3.6	3.7	4.2

Constants of dn/dt		
D ₀	D ₁	D ₂
-3.65E-07	1.21E-08	-1.66E-11
E ₀	E ₁	λ_{TK}
4.42E-07	2.98E-10	2.70E-01