

H-LaK52	729547	$n_d = 1.72916$	$v_d = 54.67$	$n_F - n_C = 0.013337$
		$n_e = 1.73234$	$v_e = 54.44$	$n_{F'} - n_{C'} = 0.013451$

Refractive Indices		
	λ (nm)	n_λ
n_{2325}	2325.42	1.68934
n_{1970}	1970.09	1.69681
n_{1530}	1529.58	1.70490
n_{1129}	1128.64	1.71188
n_{1064}	1064.00	1.71310
n_t	1013.98	1.71409
n_s	852.11	1.71790
$n_{A'}$	768.19	1.72047
n_r	706.52	1.72279
n_C	656.27	1.72510
$n_{C'}$	643.85	1.72575
n_{He-Ne}	632.80	1.72635
n_D	589.29	1.72904
n_d	587.56	1.72916
n_e	546.07	1.73234
n_F	486.13	1.73844
$n_{F'}$	479.99	1.73920
n_g	435.84	1.74571
n_h	404.66	1.75176
n_i	365.01	1.76205

Constants of Dispersion Formula	
A_0	2.93497096E+00
A_1	-1.56596537E-02
A_2	1.92100308E-02
A_3	6.55992008E-04
A_4	-3.57893356E-05
A_5	1.86989357E-06

Density	
ρ (g/cm ³)	3.98

Solarization	
$\Delta\lambda$ (%)	-2.6

Relative Partial Dispersion	
$P_{d,C}$	0.3044
$P_{e,d}$	0.2384
$P_{g,F}$	0.5451
$P'_{d,c'}$	0.2535
$P'_{e,d}$	0.2364
$P'_{g,F'}$	0.4840

Deviation of Relative Partial Dispersions	
$\Delta P_{F,e}$	-0.0026
$\Delta P_{g,F}$	-0.0077
$\Delta P_{C,t}$	0.0205
$\Delta P_{C,s}$	0.0082

Thermal Properties	
T _g (°C)	688
T _s (°C)	705
T ₁₀ ^{14.5} (°C)	620
T ₁₀ ¹³ (°C)	645
$\alpha_{50/80^\circ C}$ (10 ⁻⁷ /K)	61
$\alpha_{100/300^\circ C}$ (10 ⁻⁷ /K)	74
λ (W/(m·K))	1.01

Mechanical Properties	
HK (10 ⁷ Pa)	720
F _A	63
E (GPa)	117.8
G (GPa)	45.3
μ	0.301
σ_b (MPa)	91.2
B (10 ⁻¹² /Pa)	1.35

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

Expansion Coefficient α (×10 ⁻⁷ /K)	
°C	α
-50/-40	54
-40/-30	56
-30/-20	57
-20/-10	58
-10/0	58
0/10	59
10/20	59
20/30	59
30/40	60
40/50	61
50/60	61
60/70	62
70/80	62
80/90	63
90/100	64
100/110	65
110/120	66
120/130	67
130/140	68
140/150	69
150/160	70

Internal Transmittance		
λ (nm)	τ_{5mm}	τ_{10mm}
2400	0.769	0.591
2200	0.926	0.857
2000	0.978	0.956
1800	0.994	0.988
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	0.997	0.995
420	0.996	0.992
400	0.994	0.988
390	0.991	0.982
380	0.986	0.973
370	0.978	0.957
360	0.969	0.938
350	0.948	0.898
340	0.918	0.842
330	0.873	0.763
320	0.818	0.669
310	0.732	0.536
300	0.670	0.449
290	0.583	0.340
280	0.428	0.183

Coloration Code	
$\lambda_{80}(\lambda_{70})/\lambda_5$	360/280
Coloration of Internal Transmittance	
$\lambda\tau_{80}/\lambda\tau_5$	335/275

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	2.6	3.1	3.2	3.2	3.2	3.3	3.5	3.7	3.7	4.2
-40 ~ -20	2.7	3.1	3.2	3.2	3.2	3.2	3.5	3.7	3.8	4.3
-20 ~ 0	2.7	3.1	3.2	3.2	3.2	3.3	3.6	3.8	3.9	4.3
0 ~ 20	2.8	3.2	3.2	3.2	3.3	3.5	3.5	4.0	4.0	4.4
20 ~ 40	2.8	3.2	3.3	3.3	3.3	3.5	3.6	4.0	4.1	4.5
40 ~ 60	2.8	3.2	3.3	3.3	3.4	3.5	3.6	4.1	4.1	4.5
60 ~ 80	2.9	3.2	3.4	3.4	3.5	3.6	3.8	4.2	4.2	4.7
80 ~ 100	2.9	3.3	3.6	3.6	3.7	3.7	3.9	4.3	4.3	4.9
100 ~ 120	2.9	3.3	3.7	3.7	3.8	3.8	4.0	4.4	4.4	5.2
120 ~ 140	2.9	3.4	3.7	3.7	3.8	4.0	4.2	4.5	4.6	5.4
140 ~ 160	3.0	3.5	3.8	3.8	3.9	4.2	4.3	4.7	4.8	5.5

Constants of dn/dt		
D ₀	D ₁	D ₂
1.80E-06	1.11E-08	-1.88E-11
E ₀	E ₁	λ_{TK}
4.02E-07	6.22E-10	2.23E-01