

H-LaK2H	692545	$n_d = 1.69211$	$v_d = 54.54$	$n_F - n_C = 0.012690$
		$n_e = 1.69514$	$v_e = 54.29$	$n_F - n_C = 0.012804$

Refractive Indices		
	λ (nm)	n_λ
n_{2325}	2325.42	1.65358
n_{1970}	1970.09	1.66092
n_{1530}	1529.58	1.66884
n_{1129}	1128.64	1.67561
n_{1064}	1064.00	1.67679
n_t	1013.98	1.67775
n_s	852.11	1.68140
$n_{A'}$	768.19	1.68384
n_f	706.52	1.68606
n_C	656.27	1.68827
$n_{C'}$	643.85	1.68888
n_{He-Ne}	632.80	1.68945
n_D	589.29	1.69201
n_d	587.56	1.69211
n_e	546.07	1.69514
n_F	486.13	1.70096
$n_{F'}$	479.99	1.70168
n_g	435.84	1.70783
n_h	404.66	1.71355
n_i	365.01	1.72334

Relative Partial Dispersion	
$P_{d,C}$	0.3026
$P_{e,d}$	0.2388
$P_{g,F}$	0.5414
$P'_{d,c'}$	0.2523
$P'_{e,d}$	0.2366
$P'_{g,F'}$	0.4803

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

Internal Transmittance		
λ (nm)	τ_{5mm}	τ_{10mm}
2400	0.754	0.568
2200	0.915	0.837
2000	0.980	0.960
1800	0.990	0.980
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	0.995	0.991
400	0.993	0.986
390	0.991	0.981
380	0.987	0.973
370	0.980	0.959
360	0.964	0.928
350	0.943	0.889
340	0.910	0.828
330	0.862	0.744
320	0.800	0.639
310	0.724	0.523
300	0.638	0.406
290	0.542	0.295
280	0.433	0.189

Deviation of Relative Partial Dispersions	
$\Delta P_{F,e}$	-0.0015
$\Delta P_{g,F}$	-0.0116
$\Delta P_{C,t}$	0.0246
$\Delta P_{C,s}$	0.0101

Expansion Coefficient α ($\times 10^{-7}/K$)	
$^{\circ}C$	α
-50/-40	52
-40/-30	54
-30/-20	55
-20/-10	56
-10/0	56
0/10	57
10/20	58
20/30	60
30/40	61
40/50	61
50/60	62
60/70	62
70/80	63
80/90	63
90/100	64
100/110	64
110/120	64
120/130	65
130/140	66
140/150	67
150/160	68

Thermal Properties	
T _g ($^{\circ}C$)	636
T _s ($^{\circ}C$)	662
T ₁₀ ^{14.5} ($^{\circ}C$)	599
T ₁₀ ¹³ ($^{\circ}C$)	635
$\alpha_{-50/80^{\circ}C}$ ($10^{-7}/K$)	59
$\alpha_{100/300^{\circ}C}$ ($10^{-7}/K$)	74
λ (W/(m K))	0.92

Constants of Dispersion Formula	
A ₀	2.81281207E+00
A ₁	-1.51090486E-02
A ₂	1.73324917E-02
A ₃	8.29325128E-04
A ₄	-7.29570094E-05
A ₅	4.13913961E-06

Mechanical Properties	
HK (10^7 Pa)	665
F _A	77
E (GPa)	111.3
G (GPa)	42.0
μ	0.325
σ_b (MPa)	67
B (10^{-12} /Pa)	2.00

Density	Solarization
ρ (g/cm ³)	$\Delta\lambda$ (%)
3.53	-3.1

Range of Temperature ($^{\circ}C$)	Temperature Coefficients of Refractive Index									
	dn/dt relative ($\times 10^{-6}/^{\circ}C$)									
	t	s	C	C'	He-Ne	d	e	F	F'	g
-60 ~ -40	3.9	4.1	4.2	4.2	4.3	4.4	4.7	5.1	5.1	5.5
-40 ~ -20	3.9	4.1	4.2	4.3	4.4	4.5	4.7	5.1	5.1	5.6
-20 ~ 0	3.9	4.1	4.2	4.3	4.4	4.5	4.8	5.1	5.1	5.6
0 ~ 20	4.0	4.2	4.4	4.4	4.4	4.5	4.8	5.1	5.2	5.6
20 ~ 40	3.9	4.2	4.4	4.5	4.5	4.5	4.9	5.2	5.2	5.7
40 ~ 60	4.1	4.3	4.5	4.6	4.6	4.7	4.9	5.3	5.3	5.8
60 ~ 80	4.2	4.4	4.6	4.7	4.7	4.9	5.0	5.5	5.5	6.1
80 ~ 100	4.3	4.5	4.7	4.8	4.8	5.2	5.3	5.6	5.7	6.4
100 ~ 120	4.4	4.6	4.8	4.9	4.9	5.3	5.4	5.7	5.8	6.6
120 ~ 140	4.4	4.6	4.8	5.0	5.0	5.4	5.5	5.8	5.9	6.7
140 ~ 160	4.5	4.7	5.0	5.1	5.2	5.5	5.7	6.0	6.1	6.9

Coloration Code	
$\lambda_{80}(\lambda_{70})/\lambda_5$	360/270
Coloration of Internal Transmittance	
$\lambda\tau_{80}/\lambda\tau_5$	333/265

Constants of dn/dt		
D ₀	D ₁	D ₂
4.09E-06	1.29E-08	-1.66E-11
E ₀	E ₁	λ_{TK}
3.70E-07	3.58E-10	2.77E-01