

H-LaK2	691547	$n_d = 1.69100$	$v_d = 54.70$	$n_F - n_C = 0.012633$
		$n_e = 1.69401$	$v_e = 54.48$	$n_{F'} - n_{C'} = 0.012739$

Refractive Indices		
	λ (nm)	n_λ
n_{2325}	2325.42	1.65330
n_{1970}	1970.09	1.66043
n_{1530}	1529.58	1.66812
n_{1129}	1128.64	1.67471
n_{1064}	1064.00	1.67587
n_t	1013.98	1.67681
n_s	852.11	1.68039
$n_{A'}$	768.19	1.68280
n_f	706.52	1.68499
n_C	656.27	1.68715
$n_{C'}$	643.85	1.68776
n_{He-Ne}	632.80	1.68833
n_D	589.29	1.69088
n_d	587.56	1.69100
n_e	546.07	1.69401
n_F	486.13	1.69978
$n_{F'}$	479.99	1.70050
n_g	435.84	1.70665
n_h	404.66	1.71235
n_i	365.01	1.72209

Relative Partial Dispersion	
$P_{d,C}$	0.3048
$P_{e,d}$	0.2383
$P_{g,F}$	0.5438
$P'_{d,c'}$	0.2543
$P'_{e,d}$	0.2363
$P'_{g,f'}$	0.4828

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	0.766	0.579
2200	0.919	0.846
2000	0.973	0.955
1800	0.989	0.986
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	0.995
420	0.999	0.991
400	0.994	0.985
390	0.987	0.979
380	0.980	0.965
370	0.969	0.943
360	0.948	0.906
350	0.916	0.838
340	0.867	0.757
330	0.801	0.645
320	0.712	0.509
310	0.599	0.360
300	0.449	0.202
290	0.245	0.063
280		

Deviation of Relative Partial Dispersions	
$\Delta P_{F,e}$	-0.0033
$\Delta P_{g,F}$	-0.0089
$\Delta P_{C,t}$	0.0133
$\Delta P_{C,s}$	0.0034

Expansion Coefficient α ($\times 10^{-7}/K$)	
$^{\circ}C$	α
-50/-40	52
-40/-30	54
-30/-20	56
-20/-10	57
-10/0	57
0/10	58
10/20	58
20/30	59
30/40	59
40/50	59
50/60	60
60/70	60
70/80	61
80/90	61
90/100	62
100/110	62
110/120	63
120/130	64
130/140	64
140/150	65
150/160	66

Thermal Properties	
T _g ($^{\circ}C$)	630
T _s ($^{\circ}C$)	661
T ₁₀ ^{14.5} ($^{\circ}C$)	585
T ₁₀ ¹³ ($^{\circ}C$)	602
$\alpha_{-50/80^{\circ}C}$ ($10^{-7}/K$)	57
$\alpha_{100/300^{\circ}C}$ ($10^{-7}/K$)	73
λ (W/(m K))	0.94

Constants of Dispersion Formula	
A ₀	2.80955685E+00
A ₁	-1.46673580E-02
A ₂	1.68842607E-02
A ₃	9.16821494E-04
A ₄	-7.97191507E-05
A ₅	4.19772399E-06

Mechanical Properties	
HK (10^7 Pa)	528
F _A	94
E (GPa)	107.4
G (GPa)	41.7
μ	0.287
σ_b (MPa)	92
B (10^{-12} /Pa)	1.96

Density		Solarization	
ρ (g/cm ³)	3.63	$\Delta\lambda$ (%)	-0.8

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	3.0	3.1	3.3	3.4	3.5	3.6	3.7	3.9	4.0	4.2
-40 ~ -20	3.1	3.4	3.5	3.6	3.6	3.8	3.9	4.1	4.1	4.4
-20 ~ 0	3.2	3.5	3.5	3.6	3.7	3.8	3.9	4.2	4.2	4.6
0 ~ 20	3.2	3.6	3.7	3.7	3.9	4.0	4.1	4.3	4.3	4.8
20 ~ 40	3.2	3.8	3.8	3.8	3.9	4.1	4.1	4.6	4.6	4.9
40 ~ 60	3.5	3.9	3.9	3.9	4.0	4.1	4.3	4.6	4.6	4.9
60 ~ 80	3.5	3.9	3.9	3.9	4.1	4.2	4.4	4.6	4.6	5.1
80 ~ 100	3.7	3.8	3.9	3.9	4.1	4.4	4.5	4.8	4.8	5.2
100 ~ 120	3.8	4.0	4.1	4.1	4.4	4.4	4.5	4.8	4.8	5.2
120 ~ 140	3.9	4.2	4.3	4.3	4.4	4.4	4.6	4.8	4.8	5.3
140 ~ 160	4.0	4.2	4.3	4.4	4.6	4.6	4.7	4.9	5.0	5.3

Coloration Code	
$\lambda_{80}(\lambda_{70})/\lambda_5$	360/290
Coloration of Internal Transmittance	
$\lambda\tau_{80}/\lambda\tau_5$	335/287

Constants of dn/dt		
D ₀	D ₁	D ₂
2.98E-06	1.59E-08	-3.12E-11
E ₀	E ₁	λ_{TK}
4.05E-07	-4.14E-11	1.83E-01