

H-LaK8B	720503	$n_d = 1.72000$	$v_d = 50.34$	$n_F - n_C = 0.014302$
		$n_e = 1.72341$	$v_e = 50.10$	$n_F - n_C = 0.014439$

Refractive Indices		
	λ (nm)	n_λ
n_{2325}	2325.42	
n_{1970}	1970.09	
n_{1530}	1529.58	
n_{1129}	1128.64	1.70247
n_{1064}	1064.00	1.70360
n_t	1013.98	1.70455
n_s	852.11	1.70826
$n_{A'}$	768.19	1.71086
n_f	706.52	1.71327
n_C	656.27	1.71569
$n_{C'}$	643.85	1.71638
n_{He-Ne}	632.80	1.71701
n_D	589.29	1.71987
n_d	587.56	1.72000
n_e	546.07	1.72341
n_F	486.13	1.73000
$n_{F'}$	479.99	1.73082
n_g	435.84	1.73789
n_h	404.66	1.74450
n_i	365.01	1.75588

Relative Partial Dispersion	
$P_{d,C}$	0.3014
$P_{e,d}$	0.2384
$P_{g,F}$	0.5517
$P'_{d,c'}$	0.2507
$P'_{e,d}$	0.2362
$P'_{g,F'}$	0.4896

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

Internal Transmittance		
λ (nm)	τ_{5mm}	τ_{10mm}
2400	0.876	0.768
2200	0.965	0.932
2000	0.986	0.973
1800	0.995	0.990
1600	0.998	0.997
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	0.997
480	0.998	0.996
460	0.997	0.994
440	0.996	0.992
420	0.994	0.989
400	0.992	0.984
390	0.989	0.978
380	0.984	0.968
370	0.975	0.950
360	0.958	0.919
350	0.931	0.868
340	0.890	0.792
330	0.821	0.674
320	0.724	0.524
310	0.570	0.325
300	0.336	0.113
290		
280		

Deviation of Relative Partial Dispersions	
$\Delta P_{F,e}$	-0.0016
$\Delta P_{g,F}$	-0.0083
$\Delta P_{C,t}$	-0.0051
$\Delta P_{C,s}$	-0.0017

Expansion Coefficient α ($\times 10^{-7}/K$)	
$^{\circ}C$	α
-50/-40	66
-40/-30	68
-30/-20	69
-20/-10	70
-10/0	71
0/10	72
10/20	73
20/30	74
30/40	75
40/50	75
50/60	76
60/70	77
70/80	78
80/90	79
90/100	79
100/110	80
110/120	81
120/130	83
130/140	84
140/150	85
150/160	87

Thermal Properties	
T _g ($^{\circ}C$)	651
T _s ($^{\circ}C$)	680
T ₁₀ ^{14.5} ($^{\circ}C$)	589
T ₁₀ ¹³ ($^{\circ}C$)	617
$\alpha_{-50/80^{\circ}C}$ ($10^{-7}/K$)	74
$\alpha_{100/300^{\circ}C}$ ($10^{-7}/K$)	88
λ (W/(m K))	0.83

Constants of Dispersion Formula	
A ₀	2.89634931E+00
A ₁	-1.17449806E-02
A ₂	2.12156990E-02
A ₃	6.32018297E-04
A ₄	-3.39053843E-05
A ₅	2.46626102E-06

Mechanical Properties	
HK (10^7 Pa)	606
F _A	156
E (GPa)	103.9
G (GPa)	39.9
μ	0.301
σ_b (MPa)	90
B (10^{-12} /Pa)	1.67

Density		Solarization	
ρ (g/cm ³)	3.91	$\Delta\lambda$ (%)	-1.3

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	1.0	1.2	1.5	1.7	1.8	2.0	2.4	2.7	2.7	3.1
-40 ~ -20	1.1	1.3	1.6	1.8	2.0	2.2	2.4	2.8	2.9	3.3
-20 ~ 0	1.2	1.3	1.6	1.8	2.0	2.3	2.5	2.8	2.9	3.3
0 ~ 20	1.2	1.4	1.6	1.8	2.0	2.3	2.6	2.8	2.9	3.4
20 ~ 40	1.2	1.4	1.6	1.8	2.0	2.3	2.7	2.9	3.0	3.4
40 ~ 60	1.3	1.4	1.7	2.0	2.2	2.4	2.7	2.9	3.0	3.4
60 ~ 80	1.4	1.5	1.7	2.0	2.2	2.5	2.8	3.0	3.1	3.5
80 ~ 100	1.5	1.7	1.9	2.1	2.3	2.7	2.9	3.2	3.3	3.7
100 ~ 120	1.6	1.7	2.0	2.2	2.4	2.8	3.1	3.3	3.4	3.8
120 ~ 140	1.7	1.9	2.2	2.4	2.6	2.9	3.3	3.5	3.6	3.9
140 ~ 160	1.7	2.0	2.3	2.5	2.7	3.0	3.3	3.5	3.7	4.0

Coloration Code	
$\lambda_{80}(\lambda_{70})/\lambda_5$	365/300
Coloration of Internal Transmittance	
$\lambda\tau_{80}/\lambda\tau_5$	341/295

Constants of dn/dt		
D ₀	D ₁	D ₂
-1.62E-06	1.34E-08	-1.84E-11
E ₀	E ₁	λ_{TK}
8.88E-07	4.63E-11	6.23E-09