

H-LaK5A	678555	$n_d = 1.67790$	$v_d = 55.52$	$n_F - n_C = 0.012211$
		$n_e = 1.68081$	$v_e = 55.26$	$n_F - n_C = 0.012319$

Refractive Indices		
	λ (nm)	n_λ
n_{2325}	2325.42	1.64174
n_{1970}	1970.09	1.64851
n_{1530}	1529.58	1.65581
n_{1129}	1128.64	1.66213
n_{1064}	1064.00	1.66325
n_t	1013.98	1.66416
n_s	852.11	1.66763
$n_{A'}$	768.19	1.66996
n_f	706.52	1.67209
n_C	656.27	1.67420
$n_{C'}$	643.85	1.67479
n_{He-Ne}	632.80	1.67533
n_D	589.29	1.67779
n_d	587.56	1.67790
n_e	546.07	1.68081
n_F	486.13	1.68641
$n_{F'}$	479.99	1.68710
n_g	435.84	1.69304
n_h	404.66	1.69854
n_i	365.01	1.70795

Relative Partial Dispersion	
$P_{d,C}$	0.3030
$P_{e,d}$	0.2383
$P_{g,F}$	0.5430
$P'_{d,c'}$	0.2525
$P'_{e,d}$	0.2362
$P'_{g,F'}$	0.4822

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

Internal Transmittance		
λ (nm)	τ_{5mm}	τ_{10mm}
2400	0.791	0.625
2200	0.925	0.855
2000	0.976	0.953
1800	0.990	0.979
1600	0.996	0.991
1400	0.996	0.991
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	0.998	0.997
600	0.998	0.997
550	0.998	0.997
500	0.998	0.997
480	0.998	0.996
460	0.996	0.993
440	0.996	0.992
420	0.995	0.990
400	0.993	0.987
390	0.991	0.983
380	0.987	0.974
370	0.980	0.960
360	0.966	0.933
350	0.943	0.889
340	0.909	0.826
330	0.853	0.727
320	0.777	0.603
310	0.686	0.471
300	0.580	0.336
290	0.467	0.218
280	0.355	0.126

Deviation of Relative Partial Dispersions	
$\Delta P_{F,e}$	-0.0010
$\Delta P_{g,F}$	-0.0084
$\Delta P_{C,t}$	0.0131
$\Delta P_{C,s}$	0.0044

Expansion Coefficient α ($\times 10^{-7}/K$)	
$^{\circ}C$	α
-50/-40	62
-40/-30	65
-30/-20	67
-20/-10	68
-10/0	69
0/10	70
10/20	71
20/30	71
30/40	72
40/50	73
50/60	73
60/70	74
70/80	75
80/90	75
90/100	76
100/110	78
110/120	79
120/130	80
130/140	81
140/150	82
150/160	83

Thermal Properties	
T _g ($^{\circ}C$)	658
T _s ($^{\circ}C$)	684
T ₁₀ ^{14.5} ($^{\circ}C$)	595
T ₁₀ ¹³ ($^{\circ}C$)	630
$\alpha_{-50/80^{\circ}C}$ ($10^{-7}/K$)	70
$\alpha_{100/300^{\circ}C}$ ($10^{-7}/K$)	81
λ (W/(m K))	0.76

Constants of Dispersion Formula	
A ₀	2.76662000E+00
A ₁	-1.37659970E-02
A ₂	1.68042016E-02
A ₃	7.09094213E-04
A ₄	-5.52664143E-05
A ₅	3.02453719E-06

Mechanical Properties	
HK (10^7 Pa)	595
F _A	117
E (GPa)	94.6
G (GPa)	37.3
μ	0.270
σ_b (MPa)	90
B (10^{-12} /Pa)	1.74

Density		Solarization	
ρ (g/cm ³)	3.53	$\Delta\lambda$ (%)	-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	1.9	2.1	2.2	2.2	2.2	2.3	2.5	2.7	2.7	3.1
-40 ~ -20	1.8	2.0	2.2	2.2	2.2	2.4	2.5	2.7	2.8	3.2
-20 ~ 0	1.8	2.0	2.2	2.2	2.2	2.4	2.6	2.8	2.8	3.2
0 ~ 20	1.8	2.1	2.2	2.2	2.2	2.4	2.6	2.8	2.9	3.2
20 ~ 40	1.8	2.0	2.2	2.2	2.3	2.4	2.6	2.9	2.9	3.4
40 ~ 60	1.8	2.1	2.3	2.3	2.4	2.5	2.6	3.0	3.0	3.4
60 ~ 80	2.0	2.1	2.3	2.4	2.4	2.5	2.9	3.2	3.2	3.6
80 ~ 100	2.0	2.2	2.4	2.5	2.5	2.5	3.0	3.3	3.4	3.6
100 ~ 120	2.2	2.3	2.5	2.7	2.7	2.7	3.2	3.4	3.5	3.8
120 ~ 140	2.3	2.4	2.6	2.7	2.7	2.8	3.3	3.5	3.7	3.9
140 ~ 160	2.4	2.5	2.7	2.7	2.8	2.9	3.5	3.7	3.8	4.0

Coloration Code	
$\lambda_{80}(\lambda_{70})/\lambda_5$	360/275
Coloration of Internal Transmittance	
$\lambda\tau_{80}/\lambda\tau_5$	339/274

Constants of dn/dt		
D ₀	D ₁	D ₂
1.13E-07	1.17E-08	-1.44E-11
E ₀	E ₁	λ_{TK}
4.21E-07	4.77E-10	2.11E-01