

H-LaK4L 640602	$n_d = 1.64000$	$v_d = 60.20$	$n_F - n_C = 0.010631$
	$n_e = 1.64254$	$v_e = 60.00$	$n_{F'} - n_{C'} = 0.010709$

Refractive Indices		
	$\lambda(\text{nm})$	n_λ
n_{2325}	2325.42	1.60415
n_{1970}	1970.09	1.61142
n_{1530}	1529.58	1.61918
n_{1129}	1128.64	1.62562
n_t	1013.98	1.62759
n_s	852.11	1.63083
$n_{A'}$	768.19	1.63296
n_r	706.52	1.63486
n_C	656.27	1.63674
$n_{C'}$	643.85	1.63726
$n_{\text{He-Ne}}$	632.80	1.63775
n_D	589.29	1.63990
n_d	587.56	1.64000
n_e	546.07	1.64254
n_F	486.13	1.64737
$n_{F'}$	479.99	1.64797
n_g	435.84	1.65305
n_h	404.66	1.65776
n_i	365.01	1.66574

Constants of Dispersion Formula	
A_0	2.65004076E+00
A_1	-1.46730544E-02
A_2	1.38448882E-02
A_3	7.00625352E-04
A_4	-6.62250000E-05
A_5	3.53607313E-06

Relative Partial Dispersions			
$P_{d,C}$	0.3067	$P'_{d,C'}$	0.2558
$P_{e,d}$	0.2389	$P'_{e,d}$	0.2372
$P_{g,F}$	0.5343	$P'_{g,F'}$	0.4743

Range of Temperature (°C)	Temperature Coefficients of Refractive Index						
	dn/dt relative ($10^{-6} / ^\circ\text{C}$)						
	t	C'	He-Ne	D	e	F'	g
-40 ~ -20	2.7	3.0	3.0	3.1	3.3	3.5	3.8
-20 ~ 0	2.6	3.0	3.0	3.1	3.2	3.5	3.8
0 ~ 20	2.6	2.9	3.0	3.1	3.2	3.5	3.8
20 ~ 40	2.6	2.9	3.0	3.1	3.2	3.5	3.8
40 ~ 60	2.6	3.0	3.0	3.1	3.3	3.6	3.9
60 ~ 80	2.8	3.2	3.2	3.3	3.5	3.8	4.1

Chemical Properties (grade)	
RC(S)	3
RA(S)	2
D_W	4
D_A	4
$R_{OH}(S)$	5
RP(S)	4

Thermal Properties	
$T_g(^\circ\text{C})$	651
$T_s(^\circ\text{C})$	683
$T_{10}^{14.5}(^\circ\text{C})$	603
$T_{10}^{13}(^\circ\text{C})$	637
$\alpha_{-50/80^\circ\text{C}}(10^{-7}/\text{K})$	62
$\alpha_{100/300^\circ\text{C}}(10^{-7}/\text{K})$	80

Mechanical Properties	
HK(10^7Pa)	640
F_A	78
$E(10^7\text{Pa})$	11330
$G(10^7\text{Pa})$	4395
μ	0.289
$B(\text{nm}/\text{cm}/10^5\text{Pa})$	2.000

Density	
$\rho(\text{g}/\text{cm}^3)$	2.98

Deviation of Relative Partial Dispersions	
$\Delta P_{F,e}$	-0.0026
$\Delta P_{g,F}$	-0.0093
$\Delta P_{C,t}$	0.0289
$\Delta P_{C,s}$	0.0111

Internal Transmittance		
$\lambda(\text{nm})$	$\tau_5\text{mm}$	$\tau_{10}\text{mm}$
2400	0.777	0.604
2200	0.926	0.857
2000	0.985	0.970
1800	0.999	0.998
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
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	0.998	0.996
460	0.997	0.993
440	0.995	0.990
420	0.993	0.987
400	0.991	0.984
390	0.989	0.977
380	0.986	0.971
370	0.979	0.956
360	0.965	0.931
350	0.941	0.883
340	0.906	0.823
330	0.858	0.736
320	0.791	0.628
310	0.706	0.505
300	0.612	0.380
290	0.514	0.271
280	0.419	0.183

Coloration Code	
$\lambda_{80}(\lambda_{70})/\lambda_5$	355/270

Coloration of Internal Transmittance	
$\lambda\tau_{80}/\lambda\tau_5$	334/266