

H-LaK61 741527	$n_d = 1.74100$	$v_d = 52.70$	$n_F - n_C = 0.014060$
	$n_e = 1.74435$	$v_e = 52.41$	$n_{F'} - n_{C'} = 0.014203$

Refractive Indices		
	$\lambda(\text{nm})$	n_λ
n_{2325}	2325.42	1.70121
n_{1970}	1970.09	1.70846
n_{1530}	1529.58	1.71630
n_{1129}	1128.64	1.72316
n_t	1013.98	1.72539
n_s	852.11	1.72926
$n_{A'}$	768.19	1.73190
n_r	706.52	1.73431
n_C	656.27	1.73673
$n_{C'}$	643.85	1.73741
$n_{\text{He-Ne}}$	632.80	1.73804
n_D	589.29	1.74087
n_d	587.56	1.74100
n_e	546.07	1.74435
n_F	486.13	1.75079
$n_{F'}$	479.99	1.75161
n_g	435.84	1.75848
n_h	404.66	1.76487
n_i	365.01	1.77589

Constants of Dispersion Formula	
A_0	2.97284514E+00
A_1	-1.52227247E-02
A_2	1.92805429E-02
A_3	1.21514405E-03
A_4	-1.27892754E-04
A_5	7.52453178E-06

Relative Partial Dispersions			
$P_{d,C}$	0.3037	$P'_{d,C'}$	0.2528
$P_{e,d}$	0.2383	$P'_{e,d}$	0.2359
$P_{g,F}$	0.5469	$P'_{g,F'}$	0.4838

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	4.5	5.0	5.0	5.1	5.3	5.7	6.2
-20 ~ 0	4.4	4.9	5.0	5.1	5.3	5.8	6.2
0 ~ 20	4.4	5.0	5.0	5.2	5.4	5.8	6.3
20 ~ 40	4.5	5.0	5.0	5.2	5.4	5.9	6.4
40 ~ 60	4.5	5.1	5.1	5.3	5.5	6.0	6.5
60 ~ 80	4.7	5.3	5.3	5.5	5.7	6.2	6.8

Chemical Properties (grade)	
RC(S)	1
RA(S)	2
D_W	1
D_A	3
$R_{OH}(S)$	1
RP(S)	2

Thermal Properties	
$T_g(^\circ\text{C})$	654
$T_s(^\circ\text{C})$	687
$T_{10}^{14.5}(^\circ\text{C})$	601
$T_{10}^{13}(^\circ\text{C})$	635
$\alpha_{-50/80^\circ\text{C}}(10^{-7}/\text{K})$	56
$\alpha_{100/300^\circ\text{C}}(10^{-7}/\text{K})$	71

Mechanical Properties	
HK(10^7Pa)	706
F_A	67
$E(10^7\text{Pa})$	11356
$G(10^7\text{Pa})$	4391
μ	0.293
$B(\text{nm}/\text{cm}/10^5\text{Pa})$	1.560

Density	
$\rho(\text{g}/\text{cm}^3)$	4.10

Deviation of Relative Partial Dispersions	
$\Delta P_{F,e}$	-0.0031
$\Delta P_{g,F}$	-0.0091
$\Delta P_{C,t}$	0.0111
$\Delta P_{C,s}$	0.0044

Internal Transmittance		
$\lambda(\text{nm})$	$\tau_{5\text{mm}}$	$\tau_{10\text{mm}}$
2400	0.783	0.613
2200	0.930	0.865
2000	0.986	0.972
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	0.999	0.998
460	0.999	0.998
440	0.999	0.998
420	0.999	0.998
400	0.997	0.993
390	0.995	0.988
380	0.990	0.979
370	0.983	0.964
360	0.969	0.935
350	0.948	0.893
340	0.914	0.831
330	0.866	0.746
320	0.804	0.641
310	0.728	0.526
300	0.644	0.411
290	0.551	0.300
280	0.444	0.193

Coloration Code	
$\lambda_{80}(\lambda_{70})/\lambda_5$	360/275

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