

H-LaK1 660574	$n_d = 1.65950$	$v_d = 57.35$	$n_F - n_C = 0.011500$
	$n_e = 1.66224$	$v_e = 57.13$	$n_{F'} - n_{C'} = 0.011592$

Refractive Indices		
	$\lambda(\text{nm})$	n_λ
n_{2325}	2325.42	1.62649
n_{1970}	1970.09	1.63247
n_{1530}	1529.58	1.63901
n_{1129}	1128.64	1.64475
n_t	1013.98	1.64660
n_s	852.11	1.64983
$n_{A'}$	768.19	1.65202
n_r	706.52	1.65403
n_C	656.27	1.65600
$n_{C'}$	643.85	1.65655
$n_{\text{He-Ne}}$	632.80	1.65707
n_D	589.29	1.65939
n_d	587.56	1.65950
n_e	546.07	1.66224
n_F	486.13	1.66750
$n_{F'}$	479.99	1.66814
n_g	435.84	1.67376
n_h	404.66	1.67897
n_i	365.01	1.68783

Constants of Dispersion Formula	
A_0	2.70733270E+00
A_1	-1.20058561E-02
A_2	1.64047722E-02
A_3	4.17032662E-04
A_4	-1.43172608E-05
A_5	7.78703513E-07

Relative Partial Dispersions			
$P_{d,C}$	0.3043	$P'_{d,C'}$	0.2545
$P_{e,d}$	0.2383	$P'_{e,d}$	0.2364
$P_{g,F}$	0.5443	$P'_{g,F'}$	0.4849

Range of Temperature (°C)	Temperature Coefficients of Refractive Index						
	dn/dt relative (10 ⁻⁶ / °C)						
	t	C'	He-Ne	D	e	F'	g
-40 ~ -20	1.7	2.1	2.1	2.2	2.3	2.7	3.0
-20 ~ 0	1.6	2.0	2.0	2.1	2.3	2.6	3.0
0 ~ 20	1.6	2.0	2.0	2.1	2.3	2.7	3.0
20 ~ 40	1.6	2.0	2.1	2.2	2.3	2.7	3.1
40 ~ 60	1.7	2.1	2.1	2.3	2.4	2.8	3.2
60 ~ 80	1.8	2.2	2.2	2.4	2.5	2.9	3.3

Chemical Properties (grade)	
RC(S)	1
RA(S)	1
D _W	3
D _A	4
R _{OH} (S)	1
RP(S)	3

Thermal Properties	
T _g (°C)	633
T _s (°C)	675
T ₁₀ ^{14.5} (°C)	588
T ₁₀ ¹³ (°C)	617
$\alpha_{-50/80^\circ\text{C}}$ (10 ⁻⁷ /K)	65
$\alpha_{100/300^\circ\text{C}}$ (10 ⁻⁷ /K)	81

Mechanical Properties	
HK(10 ⁷ Pa)	581
F _A	112
E(10 ⁷ Pa)	9089
G(10 ⁷ Pa)	3570
μ	0.273
B(nm/cm/10 ⁵ Pa)	1.450

Density	
ρ (g/cm ³)	3.64

Deviation of Relative Partial Dispersions	
$\Delta P_{F,e}$	-0.0012
$\Delta P_{g,F}$	-0.0040
$\Delta P_{C,t}$	-0.0006
$\Delta P_{C,s}$	-0.0015

Internal Transmittance		
$\lambda(\text{nm})$	$\tau_5\text{mm}$	$\tau_{10}\text{mm}$
2400	0.873	0.762
2200	0.954	0.910
2000	0.993	0.986
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	0.997	0.995
400	0.995	0.992
390	0.993	0.987
380	0.990	0.981
370	0.981	0.970
360	0.968	0.947
350	0.950	0.910
340	0.918	0.852
330	0.868	0.762
320	0.796	0.641
310	0.697	0.495
300	0.581	0.346
290	0.460	0.217
280	0.343	0.122

Coloration Code	
$\lambda_{80}(\lambda_{70})/\lambda_5$	350/270

Coloration of Internal Transmittance	
$\lambda\tau_{80}/\lambda\tau_5$	334/272