H-LaK6 694533

n_d = 1.69350	υ_d = 53.31	$n_F - n_C$ = 0.013008
n_e = 1.69660	υ_e = 53.11	$n_{F'} - n_{C'}$ = 0.013115

Refractive Indices		
	λ(nm)	n_λ
n_{2325}	2325.42	1.65447
n_{1970}	1970.09	1.66194
n_{1530}	1529.58	1.66995
n_{1129}	1128.64	1.67675
n_t	1013.98	1.67890
n_s	852.11	1.68256
$n_{A'}$	768.19	1.68504
n_r	706.52	1.68729
n_C	656.27	1.68955
$n_{C'}$	643.85	1.69018
n_{He-Ne}	632.80	1.69076
n_D	589.29	1.69338
n_d	587.56	1.69350
n_e	546.07	1.69660
n_F	486.13	1.70256
$n_{F'}$	479.99	1.70330
n_g	435.84	1.70965
n_h	404.66	1.71552
n_i	365.01	1.72568

Constants of Dispersion Formula	
A_0	2.81759388E+00
A_1	-1.54138570E-02
A_2	1.61918416E-02
A_3	1.45166636E-03
A_4	-1.69121007E-04
A_5	9.65290369E-06

Relative Partial Dispersions			
$P_{d,C}$	0.3036	$P'_{d,c'}$	0.2530
$P_{e,d}$	0.2383	$P'_{e,d}$	0.2363
$P_{g,F}$	0.5450	$P'_{g,F'}$	0.4840

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

Thermal Properties	
Tg(℃)	631
Ts(℃)	669
$T_{10}^{14.5}$(℃)	580
T_{10}^{13}(℃)	625
$\alpha_{-50/80℃}$(10^{-7}/K)	51
$\alpha_{100/300℃}$(10^{-7}/K)	67

Mechanical Properties	
HK(10^7Pa)	665
F_A	84
E(10^7Pa)	11043
G(10^7Pa)	4280
μ	0.290
B(nm/cm/10^5Pa)	2.080

Density	
ρ (g/cm^3)	3.57

Deviation of Relative Partial Dispersions	
$\triangle P_{F,e}$	-0.0027
$\triangle P_{g,F}$	-0.0101
$\triangle P_{C,t}$	0.0202
$\triangle P_{C,s}$	0.0089

Internal Transmittance		
λ(nm)	τ5mm	τ10mm
2400	0.752	0.566
2200	0.915	0.837
2000	0.983	0.966
1800	0.998	0.996
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	0.994	0.989
400	0.990	0.985
390	0.987	0.977
380	0.981	0.966
370	0.971	0.946
360	0.955	0.910
350	0.924	0.856
340	0.879	0.771
330	0.810	0.654
320	0.707	0.499
310	0.551	0.300
300	0.301	0.089
290		
280		

Range of Temperature (℃)	Temperature Coefficients of Refractive Index dn/dt relative (10^{-6} / ℃)						
	t	C'	He-Ne	D	e	F'	g
-40 ~ -20	4.9	5.3	5.4	5.5	5.7	6.1	6.5
-20 ~ 0	4.6	5.2	5.2	5.3	5.5	5.9	6.3
0 ~ 20	4.6	5.1	5.2	5.3	5.5	5.9	6.4
20 ~ 40	4.7	5.2	5.3	5.4	5.6	6.1	6.5
40 ~ 60	4.9	5.4	5.5	5.6	5.8	6.3	6.8
60 ~ 80	5.0	5.6	5.7	5.8	6.0	6.5	7.0

Coloration Code	
$\lambda_{80}(\lambda_{70})/\lambda_5$	370/300

Coloration of Internal Transmittance	
$\lambda\tau_{80}/\lambda\tau_5$	338/297