

<b>D-LaK6</b>	<b>694532</b>	$n_d = 1.69350$	$v_d = 53.20$	$n_F - n_C = 0.013036$
		$n_e = 1.69661$	$v_e = 52.97$	$n_F - n_C = 0.013152$

Refractive Indices		
	$\lambda$ (nm)	$n_\lambda$
$n_{2325}$	2325.42	1.65586
$n_{1970}$	1970.09	1.66278
$n_{1530}$	1529.58	1.67028
$n_{1129}$	1128.64	1.67683
$n_{1064}$	1064.00	1.67799
$n_t$	1013.98	1.67895
$n_s$	852.11	1.68259
$n_{A'}$	768.19	1.68506
$n_f$	706.52	1.68731
$n_C$	656.27	1.68955
$n_{C'}$	643.85	1.69017
$n_{He-Ne}$	632.80	1.69076
$n_D$	589.29	1.69338
$n_d$	587.56	1.69350
$n_e$	546.07	1.69661
$n_F$	486.13	1.70258
$n_{F'}$	479.99	1.70333
$n_g$	435.84	1.70973
$n_h$	404.66	1.71570
$n_i$	365.01	1.72593

Relative Partial Dispersion	
$P_{d,C}$	0.3030
$P_{e,d}$	0.2386
$P_{g,F}$	0.5485
$P'_{d,c'}$	0.2532
$P'_{e,d}$	0.2365
$P'_{g,F'}$	0.4866

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

Internal Transmittance		
$\lambda$ (nm)	$\tau_{5mm}$	$\tau_{10mm}$
2400	0.834	0.696
2200	0.962	0.926
2000	0.990	0.980
1800	0.997	0.994
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
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	0.999	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	0.998	0.996
420	0.997	0.994
400	0.996	0.992
390	0.995	0.990
380	0.993	0.985
370	0.990	0.973
360	0.976	0.943
350	0.958	0.907
340	0.927	0.847
330	0.879	0.758
320	0.810	0.640
310	0.707	0.482
300	0.557	0.296
290	0.298	0.082
280	0.058	0.013

Deviation of Relative Partial Dispersions	
$\Delta P_{F,e}$	-0.0029
$\Delta P_{g,F}$	-0.0068
$\Delta P_{C,t}$	0.0152
$\Delta P_{C,s}$	0.0058

Expansion Coefficient $\alpha$ ( $\times 10^{-7}/K$ )	
$^{\circ}C$	$\alpha$
-50/-40	60
-40/-30	61
-30/-20	63
-20/-10	65
-10/0	66
0/10	67
10/20	67
20/30	68
30/40	69
40/50	70
50/60	70
60/70	71
70/80	72
80/90	73
90/100	74
100/110	76
110/120	77
120/130	79
130/140	80
140/150	82
150/160	83

Thermal Properties	
$T_g$ ( $^{\circ}C$ )	532
$T_s$ ( $^{\circ}C$ )	570
$T_{10}^{14.5}$ ( $^{\circ}C$ )	481
$T_{10}^{13}$ ( $^{\circ}C$ )	516
$\alpha_{-50/80^{\circ}C}$ ( $10^{-7}/K$ )	68
$\alpha_{100/300^{\circ}C}$ ( $10^{-7}/K$ )	89
$\lambda$ (W/(m K))	1.08
$\beta_d$	130

Constants of Dispersion Formula	
$A_0$	2.81505089E+00
$A_1$	-1.41604226E-02
$A_2$	1.82673200E-02
$A_3$	6.74961616E-04
$A_4$	-4.03278304E-05
$A_5$	2.39186650E-06

Mechanical Properties	
HK ( $10^7 Pa$ )	642
$F_A$	107
E (GPa)	113.9
G (GPa)	44.7
$\mu$	0.273
$\sigma_b$ (MPa)	75
B ( $10^{-12}/Pa$ )	1.98

Density	Solarization
$\rho$ ( $g/cm^3$ )	$\Delta\lambda$ (%)
3.50	-0.5

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	3.9	4.4	4.4	4.5	4.6	4.7	4.9	5.2	5.3	5.8
-40 ~ -20	4.0	4.5	4.5	4.6	4.6	4.7	5.0	5.3	5.4	5.8
-20 ~ 0	4.0	4.5	4.6	4.6	4.7	4.7	5.0	5.4	5.5	5.9
0 ~ 20	4.0	4.6	4.5	4.6	4.7	4.7	5.1	5.4	5.5	5.9
20 ~ 40	3.9	4.5	4.5	4.6	4.7	4.7	5.1	5.5	5.6	6.0
40 ~ 60	4.1	4.5	4.6	4.7	4.7	4.8	5.1	5.6	5.6	6.0
60 ~ 80	4.1	4.6	4.7	4.7	4.7	4.9	5.2	5.7	5.8	6.2
80 ~ 100	4.1	4.6	4.7	4.8	4.8	4.9	5.3	5.9	5.9	6.4
100 ~ 120	4.1	4.7	4.7	4.8	4.8	4.9	5.4	5.9	6.0	6.6
120 ~ 140	4.1	4.7	4.8	4.8	4.8	5.0	5.4	6.0	6.0	6.7
140 ~ 160	4.2	4.7	4.8	4.8	4.8	5.0	5.5	6.1	6.1	6.8

Coloration Code	
$\lambda_{80}(\lambda_{70})/\lambda_5$	355/290
Coloration of Internal Transmittance	
$\lambda\tau_{80}/\lambda\tau_5$	336/288

Constants of dn/dt		
$D_0$	$D_1$	$D_2$
4.28E-06	1.09E-08	-2.48E-11
$E_0$	$E_1$	$\lambda_{TK}$
4.38E-07	5.64E-10	2.59E-01