

N-LAK22  
651559.377

$n_d = 1.65113$	$v_d = 55.89$	$n_F - n_C = 0.011650$
$n_e = 1.65391$	$v_e = 55.63$	$n_F' - n_C' = 0.011755$

Refractive Indices		
	$\lambda$ [nm]	
$n_{2325.4}$	2325.4	1.61915
$n_{1970.1}$	1970.1	1.62488
$n_{1529.6}$	1529.6	1.63100
$n_{1060.0}$	1060.0	1.63747
$n_t$	1014.0	1.63823
$n_s$	852.1	1.64141
$n_f$	706.5	1.64560
$n_C$	656.3	1.64760
$n_{C'}$	643.8	1.64816
$n_{632.8}$	632.8	1.64868
$n_D$	589.3	1.65103
$n_d$	587.6	1.65113
$n_e$	546.1	1.65391
$n_F$	486.1	1.65925
$n_{F'}$	480.0	1.65992
$n_g$	435.8	1.66562
$n_h$	404.7	1.67092
$n_i$	365.0	1.67997
$n_{334.1}$	334.1	1.68975
$n_{312.6}$	312.6	1.69876
$n_{296.7}$	296.7	
$n_{280.4}$	280.4	
$n_{248.3}$	248.3	

Constants of Dispersion Formula	
$B_1$	1.14229781
$B_2$	0.535138441
$B_3$	1.040883850
$C_1$	0.00585778594
$C_2$	0.0198546147
$C_3$	100.8340170

Constants of Formula for dn/dT	
$D_0$	1.36E-06
$D_1$	1.49E-08
$D_2$	-1.29E-11
$E_0$	3.41E-07
$E_1$	2.09E-10
$\lambda_{TK}$ [ $\mu\text{m}$ ]	0.262

Temperature Coefficients of the Refractive Index						
[°C]	$\Delta n_{rel}/\Delta T$ [ $10^{-6}/\text{K}$ ]			$\Delta n_{abs}/\Delta T$ [ $10^{-6}/\text{K}$ ]		
	1060.0	e	g	1060.0	e	g
-40/-20	2.2	2.9	3.6	0.0	0.6	1.3
+20/+40	2.4	3.1	3.9	1.0	1.7	2.4
+60/+80	2.7	3.4	4.2	1.6	2.3	3.1

Internal Transmittance $\tau_i$		
$\lambda$ [nm]	$\tau_i$ [10mm]	$\tau_i$ [25mm]
2500	0.670	0.370
2325	0.830	0.620
1970	0.959	0.900
1530	0.991	0.978
1060	0.998	0.994
700	0.998	0.994
660	0.997	0.992
620	0.996	0.991
580	0.997	0.993
546	0.997	0.993
500	0.995	0.988
460	0.992	0.980
436	0.990	0.975
420	0.989	0.973
405	0.987	0.968
400	0.985	0.964
390	0.980	0.950
380	0.967	0.920
370	0.950	0.870
365	0.930	0.840
350	0.840	0.660
334	0.660	0.350
320	0.400	0.100
310	0.210	0.020
300	0.080	
290	0.010	
280		
270		
260		
250		

Color Code	
$\lambda_{80} / \lambda_5$	36/30

(\* =  $\lambda_{70}/\lambda_5$ )

Remarks

Relative Partial Dispersion	
$P_{s,t}$	0.2729
$P_{C,s}$	0.5314
$P_{d,C}$	0.3031
$P_{e,d}$	0.2384
$P_{g,F}$	0.5467
$P_{i,h}$	0.7771
$P'_{s,t}$	0.2704
$P'_{C,s}$	0.5744
$P'_{d,C'}$	0.2527
$P'_{e,d}$	0.2362
$P'_{g,F'}$	0.4851
$P'_{i,h}$	0.7702

Deviation of Relative Partial Dispersion $\Delta P$ from the normal line	
$\Delta P_{C,t}$	-0.0058
$\Delta P_{C,s}$	-0.0018
$\Delta P_{F,e}$	-0.0005
$\Delta P_{g,F}$	-0.0031
$\Delta P_{i,g}$	-0.0236

Other Properties	
$\alpha_{-30/+70^\circ\text{C}}$ [ $10^{-6}/\text{K}$ ]	6.6
$\alpha_{+20/+300^\circ\text{C}}$ [ $10^{-6}/\text{K}$ ]	7.4
$T_g$ [°C]	689
$T_{10}^{13}$ [°C]	673
$T_{10}^{7.6}$ [°C]	
$c_p$ [J/(g·K)]	0.540
$\lambda$ [W/(m·K)]	0.750
$\rho$ [g/cm <sup>3</sup> ]	3.77
$E$ [ $10^3$ N/mm <sup>2</sup> ]	90
$\mu$	0.266
$K$ [ $10^{-6}$ mm <sup>2</sup> /N]	1.82
$HK_{0.1/20}$	600
HG	4
CR	2
FR	2
SR	51.2
AR	1
PR	2.3