

N-LAK33B  
755523.422 $n_d = 1.75500$  $v_d = 52.30$  $n_F - n_C = 0.014436$  $n_e = 1.75844$  $v_e = 52.07$  $n_{F'} - n_{C'} = 0.014566$ 

Refractive Indices		
	$\lambda$ [nm]	
$n_{2325.4}$	2325.4	1.71387
$n_{1970.1}$	1970.1	1.72155
$n_{1529.6}$	1529.6	1.72962
$n_{1060.0}$	1060.0	1.73796
$n_t$	1014.0	1.73892
$n_s$	852.1	1.74292
$n_r$	706.5	1.74814
$n_C$	656.3	1.75062
$n_{C'}$	643.8	1.75132
$n_{632.8}$	632.8	1.75197
$n_D$	589.3	1.75487
$n_d$	587.6	1.75500
$n_e$	546.1	1.75844
$n_F$	486.1	1.76506
$n_{F'}$	480.0	1.76589
$n_g$	435.8	1.77296
$n_h$	404.7	1.77954
$n_i$	365.0	1.79082
$n_{334.1}$	334.1	1.80306
$n_{312.6}$	312.6	1.81436
$n_{296.7}$	296.7	1.82471
$n_{280.4}$	280.4	
$n_{248.3}$	248.3	

Internal Transmittance $\tau_i$		
$\lambda$ [nm]	$\tau_i$ (10mm)	$\tau_i$ (25mm)
2500	0.398	0.100
2325	0.679	0.380
1970	0.937	0.850
1530	0.985	0.963
1060	0.998	0.995
700	0.998	0.995
660	0.998	0.994
620	0.997	0.993
580	0.998	0.994
546	0.998	0.995
500	0.997	0.993
460	0.994	0.986
436	0.992	0.979
420	0.988	0.971
405	0.982	0.956
400	0.980	0.950
390	0.971	0.930
380	0.954	0.890
370	0.928	0.830
365	0.910	0.790
350	0.821	0.610
334	0.657	0.350
320	0.455	0.140
310	0.283	0.030
300	0.217	0.010
290	0.118	
280	0.022	
270		
260		
250		

Relative Partial Dispersion	
$P_{s,t}$	0.2768
$P_{C,s}$	0.5337
$P_{d,C}$	0.3032
$P_{e,d}$	0.2383
$P_{g,F}$	0.5473
$P_{i,h}$	0.7813
$P'_{s,t}$	0.2744
$P'_{C',s}$	0.5767
$P'_{d,C'}$	0.2527
$P'_{e,d}$	0.2362
$P'_{g,F'}$	0.4857
$P'_{i,h}$	0.7743

Deviation of Relative  
Partial Dispersions  $\Delta P$   
from the "Normal Line"

$\Delta P_{C,t}$	0.0175
$\Delta P_{C,s}$	0.0089
$\Delta P_{F,e}$	-0.0024
$\Delta P_{g,F}$	-0.0085
$\Delta P_{i,g}$	-0.0484

Constants of Dispersion Formula	
$B_1$	1.42288601
$B_2$	0.593661336
$B_3$	1.1613526
$C_1$	0.00670283452
$C_2$	0.021941621
$C_3$	80.7407701

Constants of Dispersion dn/dT	
$D_0$	$2.77 \cdot 10^{-6}$
$D_1$	$1.24 \cdot 10^{-8}$
$D_2$	$1.22 \cdot 10^{-11}$
$E_0$	$5.19 \cdot 10^{-7}$
$E_1$	$6.02 \cdot 10^{-10}$
$\lambda_{TK} [\mu\text{m}]$	0.184

Color Code	
$\lambda_{80}/\lambda_5$	37/28
(* = $\lambda_{70}/\lambda_5$ )	

Remarks	

Temperature Coefficients of Refractive Index						
[°C]	$\Delta n_{\text{rel}}/\Delta T [10^{-6}/\text{K}]$			$\Delta n_{\text{abs}}/\Delta T [10^{-6}/\text{K}]$		
	1060.0	e	g	1060.0	e	g
-40/ -20	3.5	4.4	5.2	1.2	2.0	2.8
+20/ +40	3.5	4.5	5.4	2.0	3.0	3.9
+60/ +80	3.9	4.9	5.9	2.7	3.7	4.7

Other Properties	
$\alpha_{-30/+70^\circ\text{C}} [10^{-6}/\text{K}]$	5.8
$\alpha_{+20/+300^\circ\text{C}} [10^{-6}/\text{K}]$	7.1
$T_g [^\circ\text{C}]$	668
$T_{10}^{13.0} [^\circ\text{C}]$	670
$T_{10}^{7.6} [^\circ\text{C}]$	750
$c_p [\text{J}/(\text{g}\cdot\text{K})]$	0.560
$\lambda [\text{W}/(\text{m}\cdot\text{K})]$	0.890
AT [°C]	702
$\rho [\text{g}/\text{cm}^3]$	4.22
$E [10^3 \text{N}/\text{mm}^2]$	122
$\mu$	0.295
$K [10^{-6} \text{mm}^2/\text{N}]$	1.43
HK <sub>0.1/20</sub>	797
HG	
CR	1
FR	1
SR	51.3
AR	1
PR	2
SR-J	4
WR-J	1