

## N-LAK14 697554.363

$n_d = 1.69680$	$v_d = 55.41$	$n_F - n_C = 0.012575$
$n_e = 1.69980$	$v_e = 55.19$	$n_F' - n_C' = 0.012679$

Refractive Indices		
	$\lambda$ [nm]	
$n_{2325.4}$	2325.4	1.65783
$n_{1970.1}$	1970.1	1.66554
$n_{1529.6}$	1529.6	1.67357
$n_{1060.0}$	1060.0	1.68157
$n_t$	1014.0	1.68246
$n_s$	852.1	1.68612
$n_f$	706.5	1.69077
$n_C$	656.3	1.69297
$n_{C'}$	643.8	1.69358
$n_{632.8}$	632.8	1.69415
$n_D$	589.3	1.69669
$n_d$	587.6	1.69680
$n_e$	546.1	1.69980
$n_F$	486.1	1.70554
$n_{F'}$	480.0	1.70626
$n_g$	435.8	1.71237
$n_h$	404.7	1.71804
$n_i$	365.0	1.72772
$n_{334.1}$	334.1	1.73819
$n_{312.6}$	312.6	
$n_{296.7}$	296.7	
$n_{280.4}$	280.4	
$n_{248.3}$	248.3	

Constants of Dispersion Formula	
$B_1$	1.50781212
$B_2$	0.318866829
$B_3$	1.142872130
$C_1$	0.00746098727
$C_2$	0.0242024834
$C_3$	80.9565165

Constants of Formula for $dn/dT$	
$D_0$	2.68E-06
$D_1$	1.15E-08
$D_2$	-1.44E-11
$E_0$	3.72E-07
$E_1$	5.53E-10
$\lambda_{TK}$ [ $\mu\text{m}$ ]	0.226

Temperature Coefficients of the Refractive Index						
[°C]	$\Delta n_{rel}/\Delta T$ [ $10^{-6}/K$ ]			$\Delta n_{abs}/\Delta T$ [ $10^{-6}/K$ ]		
	1060.0	e	g	1060.0	e	g
-40/-20	3.2	3.8	4.4	0.9	1.5	2.1
+20/+40	3.2	4.0	4.7	1.8	2.5	3.2
+60/+80	3.4	4.2	5.0	2.2	3.0	3.8

Internal Transmittance $\tau_i$		
$\lambda$ [nm]	$\tau_i$ [10mm]	$\tau_i$ [25mm]
2500	0.380	0.090
2325	0.670	0.370
1970	0.930	0.840
1530	0.984	0.960
1060	0.998	0.995
700	0.998	0.995
660	0.998	0.994
620	0.997	0.992
580	0.997	0.993
546	0.998	0.995
500	0.997	0.992
460	0.994	0.984
436	0.991	0.977
420	0.988	0.971
405	0.984	0.960
400	0.981	0.953
390	0.971	0.930
380	0.959	0.900
370	0.930	0.840
365	0.910	0.800
350	0.820	0.610
334	0.640	0.330
320	0.430	0.120
310	0.240	0.040
300	0.090	0.000
290	0.020	
280	0.000	
270		
260		
250		

Color Code	
$\lambda_{80} / \lambda_5$	36/27

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

Remarks

Relative Partial Dispersion	
$P_{s,t}$	0.2903
$P_{C,s}$	0.5447
$P_{d,C}$	0.3049
$P_{e,d}$	0.2384
$P_{g,F}$	0.5427
$P_{i,h}$	0.7701
$P'_{s,t}$	0.2880
$P'_{C,s}$	0.5885
$P'_{d,C'}$	0.2542
$P'_{e,d}$	0.2365
$P'_{g,F'}$	0.4819
$P'_{i,h}$	0.7638

Deviation of Relative Partial Dispersion $\Delta P$ from the normal line	
$\Delta P_{C,t}$	0.0273
$\Delta P_{C,s}$	0.0127
$\Delta P_{F,e}$	-0.0026
$\Delta P_{g,F}$	-0.0079
$\Delta P_{i,g}$	-0.0386

Other Properties	
$\alpha_{30/+70^\circ\text{C}}$ [ $10^{-6}/K$ ]	5.5
$\alpha_{+20/+300^\circ\text{C}}$ [ $10^{-6}/K$ ]	6.9
$T_g$ [°C]	661
$T_{10}^{13}$ [°C]	653
$T_{10}^{7.6}$ [°C]	734
$c_p$ [J/(g·K)]	0.630
$\lambda$ [W/(m·K)]	0.890
$\rho$ [g/cm <sup>3</sup> ]	3.63
$E$ [ $10^3$ N/mm <sup>2</sup> ]	111
$\mu$	0.283
$K$ [ $10^{-6}$ mm <sup>2</sup> /N]	1.73
$HK_{0.1/20}$	730
HG	2
CR	3
FR	2
SR	52.3
AR	1
PR	3