

## 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
$n_r$	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	

Internal Transmittance $\tau_i$		
$\lambda$ [nm]	$\tau_i$ (10mm)	$\tau_i$ (25mm)
2500	0.672	0.370
2325	0.826	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	0.947	0.873
365	0.933	0.840
350	0.844	0.655
334	0.657	0.350
320	0.398	0.100
310	0.209	0.020
300	0.078	
290	0.014	
280		
270		
260		
250		

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 Dispersions $\Delta P$ 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

Constants of Dispersion Formula	
$B_1$	1.14229781
$B_2$	0.535138441
$B_3$	1.04088385
$C_1$	0.00585778594
$C_2$	0.0198546147
$C_3$	100.834017

Constants of Dispersion $dn/dT$	
$D_0$	$1.36 \cdot 10^{-6}$
$D_1$	$1.49 \cdot 10^{-8}$
$D_2$	$-1.29 \cdot 10^{-11}$
$E_0$	$3.41 \cdot 10^{-7}$
$E_1$	$2.09 \cdot 10^{-10}$
$\lambda_{TK} [\mu m]$	0.262

Color Code	
$\lambda_{80}/\lambda_5$	36/30
(* = $\lambda_{70}/\lambda_5$ )	

Remarks	

Other Properties	
$\alpha_{-30/+70^\circ C} [10^{-6}/K]$	6.6
$\alpha_{+20/+300^\circ C} [10^{-6}/K]$	7.4
$T_g [^\circ C]$	689
$T_{10}^{13.0} [^\circ C]$	673
$T_{10}^{7.6} [^\circ C]$	0
$c_p [J/(g \cdot K)]$	0.540
$\lambda [W/(m \cdot K)]$	0.750
$\rho [g/cm^3]$	3.77
$E [10^3 N/mm^2]$	90
$\mu$	0.266
$K [10^{-6} mm^2/N]$	1.82
$HK_{0.1/20}$	600
<b>HG</b>	4
<b>CR</b>	2
<b>FR</b>	2
<b>SR</b>	51.2
<b>AR</b>	1
<b>PR</b>	2.3

Temperature Coefficients of Refractive Index						
[ $^\circ C$ ]	$\Delta n_{rel}/\Delta T [10^{-6}/K]$			$\Delta n_{abs}/\Delta T [10^{-6}/K]$		
	1060.0	e	g	1060.0	e	g
-40/ -20	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