

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		
	λ [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 τ_i		
λ [nm]	τ_i (10mm)	τ_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 ΔP 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

Color Code	
λ_{80}/λ_5	36/30
(*= λ_{70}/λ_5)	

Remarks

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

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
μ	0.266
$K [10^{-6} mm^2/N]$	1.82
$HK_{0.1/20}$	600
HG	4
CR	2
FR	2
SR	51.2
AR	1
PR	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