

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		
	λ [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_r	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	

Internal Transmittance τ_i		
λ [nm]	τ_i (10mm)	τ_i (25mm)
2500	0.382	0.090
2325	0.672	0.370
1970	0.933	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	0.933	0.840
365	0.915	0.800
350	0.821	0.610
334	0.642	0.330
320	0.428	0.120
310	0.239	0.040
300	0.089	
290	0.019	
280		
270		
260		
250		

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 Dispersions ΔP 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

Constants of Dispersion Formula	
B_1	1.50781212
B_2	0.318866829
B_3	1.14287213
C_1	0.00746098727
C_2	0.0242024834
C_3	80.9565165

Constants of Dispersion dn/dT	
D_0	$2.68 \cdot 10^{-6}$
D_1	$1.15 \cdot 10^{-8}$
D_2	$-1.44 \cdot 10^{-11}$
E_0	$3.72 \cdot 10^{-7}$
E_1	$5.53 \cdot 10^{-10}$
$\lambda_{TK} [\mu m]$	0.226

Color Code	
λ_{80}/λ_5	37/30
(* = λ_{70}/λ_5)	

Remarks	

Other Properties	
$\alpha_{-30/+70^\circ C} [10^{-6}/K]$	5.5
$\alpha_{+20/+300^\circ C} [10^{-6}/K]$	6.9
$T_g [^\circ C]$	661
$T_{10}^{13.0} [^\circ C]$	653
$T_{10}^{7.6} [^\circ C]$	734
$c_p [J/(g \cdot K)]$	0.630
$\lambda [W/(m \cdot K)]$	0.890
$\rho [g/cm^3]$	3.63
$E [10^3 N/mm^2]$	111
μ	0.283
$K [10^{-6} mm^2/N]$	1.73
$HK_{0.1/20}$	730
HG	2
CR	3
FR	2
SR	52.3
AR	1
PR	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	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