

## N-LAF34 773496.424

$n_d = 1.77250$	$v_d = 49.62$	$n_F - n_C = 0.015568$
$n_e = 1.77621$	$v_e = 49.38$	$n_F' - n_C' = 0.015719$

Refractive Indices		
	$\lambda$ [nm]	
$n_{2325.4}$	2325.4	1.73085
$n_{1970.1}$	1970.1	1.73824
$n_{1529.6}$	1529.6	1.74610
$n_{1060.0}$	1060.0	1.75447
$n_t$	1014.0	1.75546
$n_s$	852.1	1.75962
$n_f$	706.5	1.76515
$n_C$	656.3	1.76780
$n_{C'}$	643.8	1.76855
$n_{632.8}$	632.8	1.76924
$n_D$	589.3	1.77236
$n_d$	587.6	1.77250
$n_e$	546.1	1.77621
$n_F$	486.1	1.78337
$n_{F'}$	480.0	1.78427
$n_g$	435.8	1.79196
$n_h$	404.7	1.79915
$n_i$	365.0	
$n_{334.1}$	334.1	
$n_{312.6}$	312.6	
$n_{296.7}$	296.7	
$n_{280.4}$	280.4	
$n_{248.3}$	248.3	

Constants of Dispersion Formula	
$B_1$	1.75836958
$B_2$	0.313537785
$B_3$	1.189252310
$C_1$	0.00872810026
$C_2$	0.0293020832
$C_3$	85.1780644

Constants of Formula for $dn/dT$	
$D_0$	3.89E-06
$D_1$	1.02E-08
$D_2$	-1.91E-11
$E_0$	5.88E-07
$E_1$	7.57E-10
$\lambda_{TK}$ [ $\mu\text{m}$ ]	0.181

Temperature Coefficients of the Refractive Index						
[ $^{\circ}\text{C}$ ]	$\Delta n_{rel}/\Delta T$ [ $10^{-6}/\text{K}$ ]			$\Delta n_{abs}/\Delta T$ [ $10^{-6}/\text{K}$ ]		
	1060.0	e	g	1060.0	e	g
-40/-20	4.2	5.2	6.2	1.9	2.8	3.7
+20/+40	4.3	5.4	6.5	2.7	3.9	4.9
+60/+80	4.4	5.6	6.8	3.2	4.4	5.5

Internal Transmittance $\tau_i$		
$\lambda$ [nm]	$\tau_i$ [10mm]	$\tau_i$ [25mm]
2500	0.450	0.140
2325	0.730	0.450
1970	0.950	0.870
1530	0.989	0.973
1060	0.999	0.998
700	0.998	0.996
660	0.998	0.996
620	0.998	0.995
580	0.998	0.995
546	0.998	0.996
500	0.997	0.993
460	0.994	0.986
436	0.991	0.978
420	0.988	0.971
405	0.983	0.958
400	0.980	0.950
390	0.971	0.930
380	0.955	0.890
370	0.930	0.830
365	0.910	0.790
350	0.820	0.600
334	0.640	0.330
320	0.420	0.120
310	0.240	0.030
300	0.070	0.000
290	0.000	
280		
270		
260		
250		

Color Code	
$\lambda_{80} / \lambda_5$	38/30

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

Relative Partial Dispersion	
$P_{s,t}$	0.2674
$P_{C,s}$	0.5256
$P_{d,C}$	0.3018
$P_{e,d}$	0.2382
$P_{g,F}$	0.5518
$P_{i,h}$	
$P'_{s,t}$	0.2648
$P'_{C,s}$	0.5679
$P'_{d,C'}$	0.2515
$P'_{e,d}$	0.2359
$P'_{g,F'}$	0.4895
$P'_{i,h}$	

Deviation of Relative Partial Dispersion $\Delta P$ from the normal line	
$\Delta P_{C,t}$	0.0126
$\Delta P_{C,s}$	0.0070
$\Delta P_{F,e}$	-0.0023
$\Delta P_{g,F}$	-0.0085
$\Delta P_{i,g}$	

Other Properties	
$\alpha_{-30/+70^{\circ}\text{C}}$ [ $10^{-6}/\text{K}$ ]	5.8
$\alpha_{+20/+300^{\circ}\text{C}}$ [ $10^{-6}/\text{K}$ ]	7.0
$T_g$ [ $^{\circ}\text{C}$ ]	668
$T_{10}^{13}$ [ $^{\circ}\text{C}$ ]	659
$T_{10}^{7.6}$ [ $^{\circ}\text{C}$ ]	745
$c_p$ [ $\text{J}/(\text{g}\cdot\text{K})$ ]	0.560
$\lambda$ [ $\text{W}/(\text{m}\cdot\text{K})$ ]	0.800
$\rho$ [ $\text{g}/\text{cm}^3$ ]	4.24
$E$ [ $10^3 \text{ N}/\text{mm}^2$ ]	123
$\mu$	0.292
$K$ [ $10^{-6} \text{ mm}^2/\text{N}$ ]	1.44
$HK_{0.1/20}$	770
HG	2
CR	1
FR	1
SR	51.3
AR	1
PR	1