

## N-LAF35 743494.412

$n_d = 1.74330$	$v_d = 49.40$	$n_F - n_C = 0.015047$
$n_e = 1.74688$	$v_e = 49.16$	$n_F' - n_C' = 0.015194$

Refractive Indices		
	$\lambda$ [nm]	
$n_{2325.4}$	2325.4	
$n_{1970.1}$	1970.1	
$n_{1529.6}$	1529.6	
$n_{1060.0}$	1060.0	1.72588
$n_t$	1014.0	1.72683
$n_s$	852.1	1.73086
$n_f$	706.5	1.73620
$n_C$	656.3	1.73876
$n_{C'}$	643.8	1.73948
$n_{632.8}$	632.8	1.74015
$n_D$	589.3	1.74317
$n_d$	587.6	1.74330
$n_e$	546.1	1.74688
$n_F$	486.1	1.75381
$n_{F'}$	480.0	1.75467
$n_g$	435.8	1.76212
$n_h$	404.7	1.76908
$n_i$	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	
$B_1$	1.51697436
$B_2$	0.455875464
$B_3$	1.074692420
$C_1$	0.00750943203
$C_2$	0.0260046715
$C_3$	80.5945159

Constants of Formula for $dn/dT$	
$D_0$	8.98E-06
$D_1$	1.26E-08
$D_2$	-1.23E-11
$E_0$	6.24E-07
$E_1$	6.86E-10
$\lambda_{TK}$ [ $\mu\text{m}$ ]	0.194

Temperature Coefficients of the Refractive Index						
	$\Delta n_{rel}/\Delta T$ [ $10^{-6}/K$ ]			$\Delta n_{abs}/\Delta T$ [ $10^{-6}/K$ ]		
[°C]	1060.0	e	g	1060.0	e	g
-40/-20	7.0	8.1	9.2	4.7	5.7	6.7
+20/+40	7.1	8.4	9.6	5.6	6.9	8.0
+60/+80	7.3	8.7	10.0	6.2	7.5	8.8

Internal Transmittance $\tau_i$		
$\lambda$ [nm]	$\tau_i$ [10mm]	$\tau_i$ [25mm]
2500	0.400	0.100
2325	0.710	0.430
1970	0.940	0.850
1530	0.988	0.970
1060	0.998	0.995
700	0.998	0.996
660	0.998	0.996
620	0.998	0.994
580	0.998	0.994
546	0.998	0.995
500	0.997	0.992
460	0.994	0.985
436	0.990	0.976
420	0.987	0.967
405	0.980	0.950
400	0.976	0.940
390	0.966	0.920
380	0.950	0.880
370	0.920	0.810
365	0.900	0.760
350	0.790	0.550
334	0.590	0.270
320	0.350	0.200
310	0.150	0.080
300	0.030	
290		
280		
270		
260		
250		

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

Remarks

Relative Partial Dispersion	
$P_{s,t}$	0.2674
$P_{C,s}$	0.5253
$P_{d,C}$	0.3017
$P_{e,d}$	0.2381
$P_{g,F}$	0.5523
$P_{i,h}$	
$P'_{s,t}$	0.2648
$P'_{C,s}$	0.5676
$P'_{d,C'}$	0.2514
$P'_{e,d}$	0.2358
$P'_{g,F'}$	0.4899
$P'_{i,h}$	

Deviation of Relative Partial Dispersion $\Delta P$ from the normal line	
$\Delta P_{C,t}$	0.0134
$\Delta P_{C,s}$	0.0072
$\Delta P_{F,e}$	-0.0022
$\Delta P_{g,F}$	-0.0084
$\Delta P_{i,g}$	

Other Properties	
$\alpha_{-30/+70^\circ\text{C}}$ [ $10^{-6}/K$ ]	5.3
$\alpha_{+20/+300^\circ\text{C}}$ [ $10^{-6}/K$ ]	6.4
$T_g$ [°C]	589
$T_{10}^{13}$ [°C]	585
$T_{10}^{7.6}$ [°C]	669
$c_p$ [J/(g·K)]	0.570
$\lambda$ [W/(m·K)]	0.800
$\rho$ [g/cm <sup>3</sup> ]	4.12
$E$ [ $10^3$ N/mm <sup>2</sup> ]	109
$\mu$	0.301
$K$ [ $10^{-6}$ mm <sup>2</sup> /N]	2.29
$HK_{0.1/20}$	660
HG	2
CR	2
FR	1
SR	52.3
AR	1
PR	3.3