

## N-LASF44 804465.444

$n_d = 1.80420$	$v_d = 46.50$	$n_F - n_C = 0.017294$
$n_e = 1.80832$	$v_e = 46.25$	$n_F' - n_C' = 0.017476$

Refractive Indices		
	$\lambda$ [nm]	
$n_{2325.4}$	2325.4	1.76070
$n_{1970.1}$	1970.1	1.76801
$n_{1529.6}$	1529.6	1.77590
$n_{1060.0}$	1060.0	1.78455
$n_t$	1014.0	1.78560
$n_s$	852.1	1.79006
$n_f$	706.5	1.79609
$n_C$	656.3	1.79901
$n_{C'}$	643.8	1.79983
$n_{632.8}$	632.8	1.80060
$n_D$	589.3	1.80405
$n_d$	587.6	1.80420
$n_e$	546.1	1.80832
$n_F$	486.1	1.81630
$n_{F'}$	480.0	1.81731
$n_g$	435.8	1.82594
$n_h$	404.7	1.83405
$n_i$	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	

Internal Transmittance $\tau_i$		
$\lambda$ [nm]	$\tau_i$ [10mm]	$\tau_i$ [25mm]
2500	0.470	0.150
2325	0.740	0.470
1970	0.950	0.870
1530	0.990	0.975
1060	0.998	0.995
700	0.998	0.996
660	0.998	0.995
620	0.998	0.995
580	0.998	0.995
546	0.998	0.995
500	0.996	0.989
460	0.991	0.977
436	0.986	0.965
420	0.980	0.950
405	0.967	0.920
400	0.963	0.910
390	0.950	0.870
380	0.910	0.790
370	0.860	0.690
365	0.820	0.620
350	0.660	0.350
334	0.380	0.090
320	0.150	
310	0.070	
300	0.030	
290		
280		
270		
260		
250		

Relative Partial Dispersion	
$P_{s,t}$	0.2582
$P_{C,s}$	0.5171
$P_{d,C}$	0.3002
$P_{e,d}$	0.2380
$P_{g,F}$	0.5572
$P_{i,h}$	
$P'_{s,t}$	0.2555
$P'_{C,s}$	0.5588
$P'_{d,C'}$	0.2501
$P'_{e,d}$	0.2355
$P'_{g,F'}$	0.4941
$P'_{i,h}$	

Deviation of Relative Partial Dispersion $\Delta P$ from the normal line	
$\Delta P_{C,t}$	0.0098
$\Delta P_{C,s}$	0.0058
$\Delta P_{F,e}$	-0.0021
$\Delta P_{g,F}$	-0.0084
$\Delta P_{i,g}$	

Constants of Dispersion Formula	
$B_1$	1.78897105
$B_2$	0.386758670
$B_3$	1.305062430
$C_1$	0.00872506277
$C_2$	0.0308085023
$C_3$	92.7743824

Color Code	
$\lambda_{80} / \lambda_5$	40/31

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

Constants of Formula for $dn/dT$	
$D_0$	3.32E-06
$D_1$	1.12E-08
$D_2$	-8.52E-12
$E_0$	5.88E-07
$E_1$	7.13E-10
$\lambda_{TK}$ [ $\mu m$ ]	0.209

Other Properties	
$\alpha_{-30/+70^\circ C}$ [ $10^{-6}/K$ ]	6.2
$\alpha_{+20/+300^\circ C}$ [ $10^{-6}/K$ ]	7.4
$T_g$ [ $^\circ C$ ]	655
$T_{10}^{13}$ [ $^\circ C$ ]	659
$T_{10}^{7.6}$ [ $^\circ C$ ]	742
$c_p$ [ $J/(g^\circ K)$ ]	0.530
$\lambda$ [ $W/(m^\circ K)$ ]	0.820
$\rho$ [ $g/cm^3$ ]	4.44
$E$ [ $10^3 N/mm^2$ ]	124
$\mu$	0.293
$K$ [ $10^{-6} mm^2/N$ ]	1.41
$HK_{0.1/20}$	770
HG	2
CR	1
FR	1
SR	4
AR	1
PR	1

Temperature Coefficients of the 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	4.0	5.1	6.1	1.6	2.6	3.6
+20/+40	4.0	5.3	6.5	2.5	3.7	4.9
+60/+80	4.2	5.6	6.9	3.0	4.4	5.7