

**N-LASF55**  
**954306.486**

$n_d = 1,95380$	$v_d = 30,56$	$n_F - n_C = 0,031211$
$n_e = 1,96118$	$v_e = 30,33$	$n_{F'} - n_{C'} = 0,031688$

Refractive Indices		
	$\lambda$ [nm]	
$n_{2325.4}$	2325.4	1,89507
$n_{1970.1}$	1970.1	1,90226
$n_{1529.6}$	1529.6	1,91065
$n_{1060.0}$	1060.0	1,92162
$n_t$	1014.0	1,92312
$n_s$	852.1	1,92991
$n_r$	706.5	1,93976
$n_C$	656.3	1,94473
$n_{C'}$	643.8	1,94614
$n_{632.8}$	632.8	1,94748
$n_D$	589.3	1,95353
$n_d$	587.6	1,95380
$n_e$	546.1	1,96118
$n_F$	486.1	1,97594
$n_{F'}$	480.0	1,97783
$n_g$	435.8	1,99454
$n_h$	404.7	2,01096
$n_i$	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	0,710	0,420
2325	0,850	0,660
1970	0,967	0,920
1530	0,995	0,987
1060	0,999	0,997
700	0,995	0,988
660	0,993	0,983
620	0,991	0,977
580	0,987	0,969
546	0,981	0,954
500	0,959	0,900
460	0,920	0,810
436	0,870	0,710
420	0,810	0,590
405	0,700	0,410
400	0,650	0,340
390	0,500	0,180
380	0,310	0,050
370	0,100	0,000
365	0,030	0,000
350	0,000	
334		
320		
310		
300		
290		
280		
270		
260		
250		

Relative Partial Dispersion	
$P_{s,t}$	0,2175
$P_{C,s}$	0,4748
$P_{d,C}$	0,2907
$P_{e,d}$	0,2364
$P_{g,F}$	0,5961
$P_{i,h}$	
$P'_{s,t}$	0,2142
$P'_{C,s}$	0,5123
$P'_{d,C'}$	0,2416
$P'_{e,d}$	0,2329
$P'_{g,F'}$	0,5274
$P'_{i,h}$	

Constants of Dispersion Formula	
$B_1$	2,30861228
$B_2$	0,354736638
$B_3$	1,922271250
$C_1$	0,01304469950
$C_2$	0,0557524221
$C_3$	133,1968690

Deviation of Relative Partial Dispersion $\Delta P$ from the normal line	
$\Delta P_{C,t}$	0,0023
$\Delta P_{C,s}$	0,0007
$\Delta P_{F,e}$	0,0006
$\Delta P_{g,F}$	0,0037
$\Delta P_{i,g}$	

Constants of Formula for $dn/dT$	
$D_0$	
$D_1$	
$D_2$	
$E_0$	
$E_1$	
$\lambda_{TK}$ [ $\mu\text{m}$ ]	

Color Code	
$\lambda_{80} / \lambda_{5}$	44/37*

Remarks	

Other Properties	
$\alpha_{-30/+70^\circ\text{C}}$ [ $10^{-6}/\text{K}$ ]	6,6
$\alpha_{+20/+300^\circ\text{C}}$ [ $10^{-6}/\text{K}$ ]	7,7
$T_g$ [ $^\circ\text{C}$ ]	718
$T_{10}^{13}$ [ $^\circ\text{C}$ ]	722
$T_{10}^{7,6}$ [ $^\circ\text{C}$ ]	796
$c_p$ [ $\text{J}/(\text{g}\cdot\text{K})$ ]	0,500
$\lambda$ [ $\text{W}/(\text{m}\cdot\text{K})$ ]	0,900
$\rho$ [ $\text{g}/\text{cm}^3$ ]	4,86
$E$ [ $10^3 \text{ N}/\text{mm}^2$ ]	126
$\mu$	0,300
$K$ [ $10^{-6} \text{ mm}^2/\text{N}$ ]	1,16
$HK_{0,1/20}$	710
HG	2
CR	1
FR	0
SR	2,3
AR	1
PR	1
SR-J	1
WR-J	1

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						
+20/+40						
+60/+80						