

N-LASF46A 904313.445

$n_d = 1.90366$	$v_d = 31.32$	$n_F - n_C = 0.028853$
$n_e = 1.91048$	$v_e = 31.09$	$n_F' - n_C' = 0.029287$

Refractive Indices		
	λ [nm]	
$n_{2325.4}$	2325.4	1.84576
$n_{1970.1}$	1970.1	1.85364
$n_{1529.6}$	1529.6	1.86255
$n_{1060.0}$	1060.0	1.87353
n_t	1014.0	1.87498
n_s	852.1	1.88143
n_r	706.5	1.89064
n_C	656.3	1.89526
$n_{C'}$	643.8	1.89657
$n_{632.8}$	632.8	1.89781
n_D	589.3	1.90341
n_d	587.6	1.90366
n_e	546.1	1.91048
n_F	486.1	1.92411
$n_{F'}$	480.0	1.92586
n_g	435.8	1.94129
n_h	404.7	1.95645
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	2.16701566
B_2	0.319812761
B_3	1.660044860
C_1	0.01235955240
C_2	0.0560610282
C_3	107.0477180

Constants of Formula for dn/dT	
D_0	3.53E-06
D_1	1.24E-08
D_2	-1.87E-11
E_0	8.39E-07
E_1	1.04E-09
λ_{TK} [μm]	0.275

Temperature Coefficients of the Refractive Index						
[°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	4.4	6.4	8.8	1.9	3.8	6.1
+20/+40	4.7	7.0	9.8	3.1	5.3	8.1
+60/+80	5.0	7.4	10.5	3.7	6.1	9.2

Internal Transmittance τ_i		
λ [nm]	τ_i [10mm]	τ_i [25mm]
2500	0.560	0.230
2325	0.790	0.560
1970	0.954	0.890
1530	0.991	0.977
1060	0.999	0.997
700	0.996	0.989
660	0.994	0.985
620	0.993	0.983
580	0.993	0.982
546	0.991	0.978
500	0.980	0.950
460	0.959	0.900
436	0.940	0.850
420	0.910	0.780
405	0.850	0.660
400	0.820	0.600
390	0.710	0.420
380	0.500	0.180
370	0.180	0.010
365	0.050	0.000
350		
334		
320		
310		
300		
290		
280		
270		
260		
250		

Color Code	
λ_{80} / λ_5	41/37*

Remarks

Relative Partial Dispersion	
$P_{s,t}$	0.2236
$P_{C,s}$	0.4793
$P_{d,C}$	0.2912
$P_{e,d}$	0.2364
$P_{g,F}$	0.5953
$P_{i,h}$	
$P'_{s,t}$	0.2203
$P'_{C,s}$	0.5170
$P'_{d,C'}$	0.2420
$P'_{e,d}$	0.2329
$P'_{g,F'}$	0.5268
$P'_{i,h}$	

Deviation of Relative Partial Dispersion ΔP from the normal line	
$\Delta P_{C,t}$	0.0094
$\Delta P_{C,s}$	0.0034
$\Delta P_{F,e}$	0.0005
$\Delta P_{g,F}$	0.0042
$\Delta P_{i,g}$	

Other Properties	
$\alpha_{-30/+70^\circ\text{C}}$ [$10^{-6}/K$]	6.0
$\alpha_{+20/+300^\circ\text{C}}$ [$10^{-6}/K$]	7.2
T_g [°C]	638
T_{10}^{13} [°C]	639
$T_{10}^{7.6}$ [°C]	733
c_p [J/(g·K)]	0.540
λ [W/(m·K)]	0.910
ρ [g/cm ³]	4.45
E [10^3 N/mm ²]	124
μ	0.298
K [10^{-6} mm ² /N]	1.64
$HK_{0.1/20}$	666
HG	1
Abrasion Aa	88
CR	1
FR	0
SR	3
AR	1
PR	1