

## N-SF4 755274.315

$n_d = 1.75513$	$v_d = 27.38$	$n_F - n_C = 0.027583$
$n_e = 1.76164$	$v_e = 27.16$	$n_F' - n_C' = 0.028044$

Refractive Indices		
	$\lambda$ [nm]	
$n_{2325.4}$	2325.4	1.70434
$n_{1970.1}$	1970.1	1.71052
$n_{1529.6}$	1529.6	1.71773
$n_{1060.0}$	1060.0	1.72717
$n_t$	1014.0	1.72846
$n_s$	852.1	1.73432
$n_f$	706.5	1.74286
$n_C$	656.3	1.74719
$n_{C'}$	643.8	1.74842
$n_{632.8}$	632.8	1.74959
$n_D$	589.3	1.75489
$n_d$	587.6	1.75513
$n_e$	546.1	1.76164
$n_F$	486.1	1.77477
$n_{F'}$	480.0	1.77647
$n_g$	435.8	1.79158
$n_h$	404.7	1.80668
$n_i$	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	
$B_1$	1.67780282
$B_2$	0.282849893
$B_3$	1.635392760
$C_1$	0.01267934500
$C_2$	0.0602038419
$C_3$	145.7604960

Constants of Formula for $dn/dT$	
$D_0$	-4.88E-06
$D_1$	6.57E-09
$D_2$	-2.72E-11
$E_0$	9.67E-07
$E_1$	1.48E-09
$\lambda_{TK}$ [ $\mu\text{m}$ ]	0.282

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	-0.5	1.2	3.5	-2.9	-1.2	1.0
+20/+40	-0.7	1.4	4.2	-2.2	-0.1	2.6
+60/+80	-0.8	1.6	4.7	-1.9	0.4	3.5

Internal Transmittance $\tau_i$		
$\lambda$ [nm]	$\tau_i$ [10mm]	$\tau_i$ [25mm]
2500	0.780	0.530
2325	0.820	0.600
1970	0.940	0.860
1530	0.992	0.980
1060	0.999	0.999
700	0.994	0.984
660	0.991	0.978
620	0.992	0.979
580	0.993	0.982
546	0.991	0.977
500	0.979	0.950
460	0.961	0.910
436	0.940	0.860
420	0.920	0.800
405	0.860	0.690
400	0.830	0.630
390	0.740	0.470
380	0.560	0.240
370	0.250	0.030
365	0.100	0.000
350	0.000	0.000
334		
320		
310		
300		
290		
280		
270		
260		
250		

Color Code	
$\lambda_{80} / \lambda_5$	43/36

Remarks

Relative Partial Dispersion	
$P_{s,t}$	0.2123
$P_{C,s}$	0.4666
$P_{d,C}$	0.2880
$P_{e,d}$	0.2358
$P_{g,F}$	0.6096
$P_{i,h}$	
$P'_{s,t}$	0.2088
$P'_{C,s}$	0.5030
$P'_{d,C'}$	0.2392
$P'_{e,d}$	0.2319
$P'_{g,F'}$	0.5390
$P'_{i,h}$	

Deviation of Relative Partial Dispersion $\Delta P$ from the normal line	
$\Delta P_{C,t}$	0.0040
$\Delta P_{C,s}$	-0.0002
$\Delta P_{F,e}$	0.0022
$\Delta P_{g,F}$	0.0118
$\Delta P_{i,g}$	

Other Properties	
$\alpha_{-30/+70^{\circ}\text{C}}$ [ $10^{-6}/\text{K}$ ]	9.5
$\alpha_{+20/+300^{\circ}\text{C}}$ [ $10^{-6}/\text{K}$ ]	10.9
$T_g$ [ $^{\circ}\text{C}$ ]	570
$T_{10}^{13}$ [ $^{\circ}\text{C}$ ]	559
$T_{10}^{7.6}$ [ $^{\circ}\text{C}$ ]	661
$c_p$ [ $\text{J}/(\text{g}\cdot\text{K})$ ]	0.760
$\lambda$ [ $\text{W}/(\text{m}\cdot\text{K})$ ]	0.950
$\rho$ [ $\text{g}/\text{cm}^3$ ]	3.15
$E$ [ $10^3 \text{ N}/\text{mm}^2$ ]	90
$\mu$	0.256
$K$ [ $10^{-6} \text{ mm}^2/\text{N}$ ]	2.76
$HK_{0.1/20}$	520
HG	6
CR	1
FR	0
SR	1.3
AR	1
PR	1