

**N-SF2**  
**648338.272**

$n_d = 1.64769$	$v_d = 33.82$	$n_F - n_C = 0.019151$
$n_e = 1.65222$	$v_e = 33.56$	$n_{F'} - n_{C'} = 0.019435$

Refractive Indices		
	$\lambda$ [nm]	
$n_{2325.4}$	2325.4	1.60661
$n_{1970.1}$	1970.1	1.61268
$n_{1529.6}$	1529.6	1.61944
$n_{1060.0}$	1060.0	1.62738
$n_t$	1014.0	1.62839
$n_s$	852.1	1.63282
$n_r$	706.5	1.63902
$n_C$	656.3	1.64210
$n_{C'}$	643.8	1.64298
$n_{632.8}$	632.8	1.64380
$n_D$	589.3	1.64752
$n_d$	587.6	1.64769
$n_e$	546.1	1.65222
$n_F$	486.1	1.66125
$n_{F'}$	480.0	1.66241
$n_g$	435.8	1.67265
$n_h$	404.7	1.68273
$n_i$	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	0.852	0.670
2325	0.896	0.760
1970	0.971	0.930
1530	0.994	0.984
1060	0.999	0.997
700	0.995	0.987
660	0.994	0.984
620	0.994	0.984
580	0.995	0.987
546	0.994	0.986
500	0.990	0.975
460	0.984	0.961
436	0.979	0.949
420	0.970	0.926
405	0.944	0.865
400	0.928	0.830
390	0.857	0.680
380	0.693	0.400
370	0.325	0.060
365	0.132	0.007
350	0.001	
334		
320		
310		
300		
290		
280		
270		
260		
250		

Relative Partial Dispersion	
$P_{s,t}$	0.2311
$P_{C,s}$	0.4848
$P_{d,C}$	0.2918
$P_{e,d}$	0.2364
$P_{g,F}$	0.5950
$P_{i,h}$	
$P'_{s,t}$	0.2277
$P'_{C',s}$	0.5228
$P'_{d,C'}$	0.2425
$P'_{e,d}$	0.2329
$P'_{g,F'}$	0.5267
$P'_{i,h}$	

Deviation of Relative Partial Dispersions $\Delta P$ from the "Normal Line"	
$\Delta P_{C,t}$	0.0106
$\Delta P_{C,s}$	0.0031
$\Delta P_{F,e}$	0.0012
$\Delta P_{g,F}$	0.0081
$\Delta P_{i,g}$	

Constants of Dispersion Formula	
$B_1$	1.47343127
$B_2$	0.163681849
$B_3$	1.36920899
$C_1$	0.0109019098
$C_2$	0.0585683687
$C_3$	127.404933

Color Code	
$\lambda_{80}/\lambda_5$	40/36
(*= $\lambda_{70}/\lambda_5$ )	

Remarks

Constants of Dispersion $dn/dT$	
$D_0$	$3.10 \cdot 10^{-6}$
$D_1$	$1.75 \cdot 10^{-8}$
$D_2$	$6.62 \cdot 10^{-11}$
$E_0$	$7.51 \cdot 10^{-7}$
$E_1$	$8.99 \cdot 10^{-10}$
$\lambda_{TK}[\mu m]$	0.277

Other Properties	
$\alpha_{-30/+70^\circ C} [10^{-6}/K]$	6.7
$\alpha_{+20/+300^\circ C} [10^{-6}/K]$	7.8
$T_g [^\circ C]$	608
$T_{10}^{13.0} [^\circ C]$	607
$T_{10}^{7.6} [^\circ C]$	731
$c_p [J/(g \cdot K)]$	0.790
$\lambda [W/(m \cdot K)]$	1.140
$\rho [g/cm^3]$	2.72
$E [10^3 N/mm^2]$	86
$\mu$	0.231
$K [10^{-6} mm^2/N]$	3.06
$HK_{0.1/20}$	539
HG	
CR	1
FR	0
SR	1
AR	1.2
PR	1

Temperature Coefficients of 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	3.4	4.8	6.4	1.3	2.5	4.1
+20/ +40	3.5	5.1	7.0	2.1	3.6	5.5
+60/ +80	4.2	5.9	8.0	3.1	4.8	6.9