

## N-SF14 762265.312

$n_d = 1.76182$   
 $n_e = 1.76859$

$v_d = 26.53$   
 $v_e = 26.32$

$n_F - n_C = 0.028715$   
 $n_{F'} - n_{C'} = 0.029204$

### Refractive Indices

	$\lambda$ [nm]	
$n_{2325.4}$	2325.4	1.70954
$n_{1970.1}$	1970.1	1.71581
$n_{1529.6}$	1529.6	1.72315
$n_{1060.0}$	1060.0	1.73284
$n_t$	1014.0	1.73417
$n_s$	852.1	1.74022
$n_r$	706.5	1.74907
$n_C$	656.3	1.75356
$n_{C'}$	643.8	1.75485
$n_{632.8}$	632.8	1.75606
$n_D$	589.3	1.76157
$n_d$	587.6	1.76182
$n_e$	546.1	1.76859
$n_F$	486.1	1.78228
$n_{F'}$	480.0	1.78405
$n_g$	435.8	1.79986
$n_h$	404.7	1.81570
$n_i$	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

$B_1$	1.690223610
$B_2$	0.288870052
$B_3$	1.704518700
$C_1$	0.013051211
$C_2$	0.0613691880
$C_3$	149.51768900

### Constants of Formula for $dn/dT$

$D_0$	-5.56E-06
$D_1$	7.09E-09
$D_2$	-1.09E-11
$E_0$	9.85E-07
$E_1$	1.39E-09
$\lambda_{TK}$ [ $\mu\text{m}$ ]	0.287

### 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	-0.9	0.9	3.4	-3.2	-1.5	0.9
+20/+40	-1.1	1.1	4.1	-2.6	-0.4	2.5
+60/+80	-1.1	1.4	4.7	-2.2	0.2	3.4

### Internal Transmittance $\tau_i$

$\lambda$ [nm]	$\tau_i$ [10mm]	$\tau_i$ [25mm]
2500	0.800	0.570
2325	0.840	0.640
1970	0.950	0.880
1530	0.992	0.980
1060	0.999	0.998
700	0.994	0.985
660	0.995	0.987
620	0.995	0.987
580	0.995	0.987
546	0.993	0.983
500	0.985	0.964
460	0.975	0.940
436	0.963	0.910
420	0.950	0.870
405	0.910	0.790
400	0.890	0.750
390	0.820	0.610
380	0.640	0.330
370	0.280	0.040
365	0.100	0.000
350	0.000	
334		
320		
310		
300		
290		
280		
270		
260		
250		

### Color Code

$\lambda_{80} / \lambda_{5}$  42/36

### Remarks

### Relative Partial Dispersion P

$P_{s,t}$	0.2107
$P_{C,s}$	0.4646
$P_{d,C}$	0.2875
$P_{e,d}$	0.2357
$P_{g,F}$	0.6122
$P_{i,h}$	

### Relative Partial Dispersion P'

$P'_{s,t}$	0.2072
$P'_{C,s}$	0.5008
$P'_{d,C'}$	0.2387
$P'_{e,d}$	0.2318
$P'_{g,F'}$	0.5413
$P'_{i,h}$	

### Deviation of Rel. Partial Disp.

#### $\Delta P$ from the normal line

$\Delta P_{C,t}$	0.0044
$\Delta P_{C,s}$	-0.0002
$\Delta P_{F,e}$	0.0024
$\Delta P_{g,F}$	0.0130
$\Delta P_{i,g}$	

### Chemical Properties

CR	1
FR	0
SR	1
AR	1
PR	1

### Other Properties

$\alpha_{-30/+70^\circ\text{C}}$ [ $10^{-6}/K$ ]	9.4
$\alpha_{+20/+300^\circ\text{C}}$ [ $10^{-6}/K$ ]	10.9
$T_g$ [°C]	566
$T_{10}^{13}$ [°C]	562
$T_{10}^{7.6}$ [°C]	657
$c_p$ [J/(g·K)]	0.750
$\lambda$ [W/(m·K)]	1.000
$\rho$ [g/cm <sup>3</sup> ]	3.12
$E$ [ $10^3$ N/mm <sup>2</sup> ]	88
$\mu$	0.259
$K$ [ $10^{-6}$ mm <sup>2</sup> /N]	2.89
$HK_{0.1/20}$	515
HG	5