

## N-SF1 717296.303

$n_d = 1.71736$

$v_d = 29.62$

$n_F - n_C = 0.024219$

$n_e = 1.72308$

$v_e = 29.39$

$n_F - n_C = 0.024606$

### Refractive Indices

	$\lambda$ [nm]	
$n_{2325.4}$	2325.4	1.67021
$n_{1970.1}$	1970.1	1.67641
$n_{1529.6}$	1529.6	1.68350
$n_{1060.0}$	1060.0	1.69240
$n_t$	1014.0	1.69358
$n_s$	852.1	1.69889
$n_r$	706.5	1.70651
$n_C$	656.3	1.71035
$n_{C'}$	643.8	1.71144
$n_{632.8}$	632.8	1.71247
$n_D$	589.3	1.71715
$n_d$	587.6	1.71736
$n_e$	546.1	1.72308
$n_F$	486.1	1.73457
$n_{F'}$	480.0	1.73605
$n_g$	435.8	1.74919
$n_h$	404.7	1.76224
$n_i$	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

$B_1$	1.608651580
$B_2$	0.237725916
$B_3$	1.515306530
$C_1$	0.011965488
$C_2$	0.0590589722
$C_3$	135.52167600

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

$D_0$	-3.72E-06
$D_1$	8.05E-09
$D_2$	-1.71E-11
$E_0$	8.98E-07
$E_1$	1.34E-09
$\lambda_{TK}$ [ $\mu\text{m}$ ]	0.276

### 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	0.1	1.7	3.6	-2.2	-0.7	1.2
+20/+40	0.0	1.8	4.2	-1.5	0.3	2.7
+60/+80	0.0	2.1	4.8	-1.1	0.9	3.5

### Internal Transmittance $\tau_i$

$\lambda$ [nm]	$\tau_i$ [10mm]	$\tau_i$ [25mm]
2500	0.730	0.460
2325	0.800	0.580
1970	0.940	0.850
1530	0.989	0.973
1060	0.998	0.995
700	0.996	0.990
660	0.994	0.986
620	0.995	0.987
580	0.996	0.990
546	0.994	0.986
500	0.987	0.968
460	0.976	0.940
436	0.963	0.910
420	0.950	0.870
405	0.900	0.760
400	0.870	0.700
390	0.770	0.520
380	0.570	0.250
370	0.250	0.030
365	0.100	
350		
334		
320		
310		
300		
290		
280		
270		
260		
250		

### Color Code

$\lambda_{80} / \lambda_5$  41/36

### Remarks

### Relative Partial Dispersion P

$P_{s,t}$	0.2190
$P_{C,s}$	0.4733
$P_{d,C}$	0.2895
$P_{e,d}$	0.2360
$P_{g,F}$	0.6037
$P_{i,h}$	

### Relative Partial Dispersion P'

$P'_{s,t}$	0.2156
$P'_{C,s}$	0.5103
$P'_{d,C'}$	0.2405
$P'_{e,d}$	0.2323
$P'_{g,F'}$	0.5340
$P'_{i,h}$	

### Deviation of Rel. Partial Disp.

$\Delta P$ from the normal line	
$\Delta P_{C,t}$	0.0068
$\Delta P_{C,s}$	0.0013
$\Delta P_{F,e}$	0.0016
$\Delta P_{g,F}$	0.0097
$\Delta P_{i,g}$	

### Chemical Properties

CR	1
FR	0
SR	1
AR	1
PR	1

### Other Properties

$\alpha_{-30/+70^\circ\text{C}}$ [ $10^{-6}/K$ ]	9.1
$\alpha_{+20/+300^\circ\text{C}}$ [ $10^{-6}/K$ ]	10.5
$T_g$ [°C]	553
$T_{10}^{13}$ [°C]	554
$T_{10}^{7.6}$ [°C]	660
$c_p$ [J/(g·K)]	0.750
$\lambda$ [W/(m·K)]	1.000
$\rho$ [g/cm <sup>3</sup> ]	3.03
$E$ [ $10^3$ N/mm <sup>2</sup> ]	90
$\mu$	0.250
$K$ [ $10^{-6}$ mm <sup>2</sup> /N]	2.72
$HK_{0.1/20}$	540
HG	5