

## N-F2 620364.265

$n_d = 1.62005$

$v_d = 36.43$

$n_F - n_C = 0.017020$

$n_e = 1.62408$

$v_e = 36.16$

$n_F - n_C = 0.017258$

### Refractive Indices

	$\lambda$ [nm]	
$n_{2325.4}$	2325.4	1.58136
$n_{1970.1}$	1970.1	1.58744
$n_{1529.6}$	1529.6	1.59410
$n_{1060.0}$	1060.0	1.60167
$n_t$	1014.0	1.60261
$n_s$	852.1	1.60667
$n_r$	706.5	1.61229
$n_C$	656.3	1.61506
$n_{C'}$	643.8	1.61584
$n_{632.8}$	632.8	1.61658
$n_D$	589.3	1.61990
$n_d$	587.6	1.62005
$n_e$	546.1	1.62408
$n_F$	486.1	1.63208
$n_{F'}$	480.0	1.63310
$n_g$	435.8	1.64209
$n_h$	404.7	1.65087
$n_i$	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

$B_1$	1.397570370
$B_2$	0.159201403
$B_3$	1.268654300
$C_1$	0.009959061
$C_2$	0.0546931752
$C_3$	119.24834600

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

$D_0$	4.62E-07
$D_1$	1.17E-08
$D_2$	-2.35E-11
$E_0$	7.47E-07
$E_1$	9.81E-10
$\lambda_{TK}$ [ $\mu\text{m}$ ]	0.263

### 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	2.0	3.2	4.6	-0.1	1.0	2.3
+20/+40	2.1	3.5	5.1	0.7	2.0	3.6
+60/+80	2.2	3.7	5.5	1.1	2.6	4.4

### Internal Transmittance $\tau_i$

$\lambda$ [nm]	$\tau_i$ [10mm]	$\tau_i$ [25mm]
2500	0.75	0.48
2325	0.84	0.64
1970	0.950	0.88
1530	0.991	0.977
1060	0.998	0.996
700	0.997	0.992
660	0.996	0.990
620	0.996	0.991
580	0.997	0.993
546	0.997	0.992
500	0.994	0.984
460	0.989	0.973
436	0.985	0.963
420	0.980	0.950
405	0.959	0.90
400	0.95	0.87
390	0.89	0.75
380	0.76	0.51
370	0.48	0.16
365	0.28	0.04
350	0.10	
334		
320		
310		
300		
290		
280		
270		
260		
250		

### Color Code

$\lambda_{80} / \lambda_5$  39/36

### Remarks

### Relative Partial Dispersion P

$P_{s,t}$	0.2389
$P_{C,s}$	0.4925
$P_{d,C}$	0.2935
$P_{e,d}$	0.2366
$P_{g,F}$	0.5881
$P_{i,h}$	

### Relative Partial Dispersion P'

$P'_{s,t}$	0.2356
$P'_{C,s}$	0.5312
$P'_{d,C'}$	0.2440
$P'_{e,d}$	0.2334
$P'_{g,F'}$	0.5208
$P'_{i,h}$	

### Deviation of Rel. Partial Disp.

$\Delta P$ from the normal line	
$\Delta P_{C,t}$	0.0137
$\Delta P_{C,s}$	0.0047
$\Delta P_{F,e}$	0.0006
$\Delta P_{g,F}$	0.0056
$\Delta P_{i,g}$	

### Chemical Properties

CR	1
FR	0
SR	1
AR	1
PR	1

### Other Properties

$\alpha_{-30/+70^\circ\text{C}}$ [ $10^{-6}/K$ ]	7.8
$\alpha_{+20/+300^\circ\text{C}}$ [ $10^{-6}/K$ ]	9.1
$T_g$ [°C]	569
$T_{10}^{13}$ [°C]	567
$T_{10}^{7.6}$ [°C]	686
$c_p$ [J/(g·K)]	0.810
$\lambda$ [W/(m·K)]	1.050
$\rho$ [g/cm <sup>3</sup> ]	2.65
$E$ [ $10^3$ N/mm <sup>2</sup> ]	82
$\mu$	0.228
$K$ [ $10^{-6}$ mm <sup>2</sup> /N]	3.03
$HK_{0.1/20}$	600
HG	2