

## 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	

Internal Transmittance $\tau_i$		
$\lambda$ [nm]	$\tau_i$ (10mm)	$\tau_i$ (25mm)
2500	0.746	0.480
2325	0.837	0.640
1970	0.950	0.880
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	0.900
400	0.946	0.870
390	0.891	0.750
380	0.764	0.510
370	0.480	0.160
365	0.276	0.040
350	0.096	
334		
320		
310		
300		
290		
280		
270		
260		
250		

Relative Partial Dispersion	
$P_{s,t}$	0.2389
$P_{C,s}$	0.4925
$P_{d,C}$	0.2935
$P_{e,d}$	0.2366
$P_{g,F}$	0.5881
$P_{i,h}$	
$P'_{s,t}$	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 Relative Partial Dispersions $\Delta P$ 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
$\Delta P_{i,g}$	

Constants of Dispersion Formula	
$B_1$	1.39757037
$B_2$	0.159201403
$B_3$	1.2686543
$C_1$	0.00995906143
$C_2$	0.0546931752
$C_3$	119.248346

Constants of Dispersion $dn/dT$	
$D_0$	$4.62 \cdot 10^{-7}$
$D_1$	$1.17 \cdot 10^{-8}$
$D_2$	$-2.35 \cdot 10^{-11}$
$E_0$	$7.47 \cdot 10^{-7}$
$E_1$	$9.81 \cdot 10^{-10}$
$\lambda_{TK} [\mu m]$	0.263

Color Code	
$\lambda_{80}/\lambda_5$	39/36
(* = $\lambda_{70}/\lambda_5$ )	

Remarks	

Other Properties	
$\alpha_{-30/+70^\circ C} [10^{-6}/K]$	7.8
$\alpha_{+20/+300^\circ C} [10^{-6}/K]$	9.1
$T_g [^\circ C]$	569
$T_{10}^{13.0} [^\circ C]$	567
$T_{10}^{7.6} [^\circ C]$	686
$c_p [J/(g \cdot K)]$	0.810
$\lambda [W/(m \cdot K)]$	1.050
$\rho [g/cm^3]$	2.65
$E [10^3 N/mm^2]$	82
$\mu$	0.228
$K [10^{-6} mm^2/N]$	3.03
$HK_{0.1/20}$	600
HG	2
CR	1
FR	0
SR	1
AR	1
PR	1

Temperature Coefficients of Refractive Index						
[ $^\circ C$ ]	$\Delta n_{rel}/\Delta T [10^{-6}/K]$			$\Delta n_{abs}/\Delta T [10^{-6}/K]$		
	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