

## N-SF66 923209.400

$n_d = 1.92286$

$v_d = 20.88$

$n_F - n_C = 0.044199$

$n_e = 1.93322$

$v_e = 20.70$

$n_F - n_C = 0.045076$

Refractive Indices		
	$\lambda$ [nm]	
$n_{2325.4}$	2325.4	1.84839
$n_{1970.1}$	1970.1	1.85665
$n_{1529.6}$	1529.6	1.86650
$n_{1060.0}$	1060.0	1.87999
$n_t$	1014.0	1.88189
$n_s$	852.1	1.89064
$n_r$	706.5	1.90368
$n_C$	656.3	1.91039
$n_{C'}$	643.8	1.91232
$n_{632.8}$	632.8	1.91414
$n_D$	589.3	1.92248
$n_d$	587.6	1.92286
$n_e$	546.1	1.93322
$n_F$	486.1	1.95459
$n_{F'}$	480.0	1.95739
$n_g$	435.8	1.98285
$n_h$	404.7	
$n_i$	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	
$B_1$	2.024597600
$B_2$	0.470187196
$B_3$	2.599704330
$C_1$	0.014705323
$C_2$	0.0692998276
$C_3$	161.81760100

Constants of Formula for $dn/dT$	
$D_0$	-4.30E-06
$D_1$	1.15E-08
$D_2$	4.31E-11
$E_0$	9.62E-07
$E_1$	1.62E-09
$\lambda_{TK}$ [ $\mu\text{m}$ ]	0.322

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	-0.4	1.9	5.8	-2.9	-0.7	3.1
+20/+40	-0.5	2.4	7.3	-2.1	0.8	5.5
+60/+80	0.1	3.4	8.9	-1.2	2.1	7.5

Internal Transmittance $\tau_i$		
$\lambda$ [nm]	$\tau_i$ [10mm]	$\tau_i$ [25mm]
2500	0.79	0.56
2325	0.84	0.64
1970	0.95	0.87
1530	0.989	0.973
1060	0.996	0.991
700	0.991	0.977
660	0.987	0.968
620	0.983	0.958
580	0.976	0.94
546	0.963	0.91
500	0.93	0.83
460	0.89	0.74
436	0.83	0.63
420	0.76	0.50
405	0.59	0.27
400	0.50	0.18
390	0.25	0.02
380	0.04	
370	0.00	
365	0.00	
350		
334		
320		
310		
300		
290		
280		
270		
260		
250		

Color Code	
$\lambda_{70}$ / $\lambda_{5}$	45/38

Remarks	

Relative Partial Dispersion P	
$P_{s,t}$	0.1980
$P_{C,s}$	0.4467
$P_{d,C}$	0.2822
$P_{e,d}$	0.2345
$P_{g,F}$	0.6394
$P_{i,h}$	

Relative Partial Dispersion P'	
$P'_{s,t}$	0.1941
$P'_{C,s}$	0.4808
$P'_{d,C'}$	0.2339
$P'_{e,d}$	0.2299
$P'_{g,F'}$	0.5647
$P'_{i,h}$	

Deviation of Rel. Partial Disp. $\Delta P$ from the normal line	
$\Delta P_{C,t}$	0.0007
$\Delta P_{C,s}$	-0.0048
$\Delta P_{F,e}$	0.0059
$\Delta P_{g,F}$	0.0307
$\Delta P_{i,g}$	

Chemical Properties	
CR	1
FR	0
SR	1
AR	1
PR	1

Other Properties	
$\alpha_{-30/+70^\circ\text{C}}$ [ $10^{-6}/K$ ]	5.9
$\alpha_{+20/+300^\circ\text{C}}$ [ $10^{-6}/K$ ]	6.8
$T_g$ [°C]	710
$T_{10}^{13}$ [°C]	719
$T_{10}^{7.6}$ [°C]	800
$c_p$ [J/(g·K)]	0.540
$\lambda$ [W/(m·K)]	0.800
$\rho$ [g/cm <sup>3</sup> ]	4.00
$E$ [ $10^3$ N/mm <sup>2</sup> ]	95
$\mu$	0.259
$K$ [ $10^{-6}$ mm <sup>2</sup> /N]	2.91
$HK_{0.1/20}$	440
HG	3