

N-SSK5  
658509.371

$n_d = 1.65844$	$v_d = 50.88$	$n_F - n_C = 0.012940$
$n_e = 1.66152$	$v_e = 50.59$	$n_F' - n_C' = 0.013075$

Refractive Indices		
	$\lambda$ [nm]	
$n_{2325.4}$	2325.4	1.62581
$n_{1970.1}$	1970.1	1.63128
$n_{1529.6}$	1529.6	1.63720
$n_{1060.0}$	1060.0	1.64371
$n_t$	1014.0	1.64450
$n_s$	852.1	1.64785
$n_f$	706.5	1.65237
$n_C$	656.3	1.65455
$n_{C'}$	643.8	1.65517
$n_{632.8}$	632.8	1.65574
$n_D$	589.3	1.65833
$n_d$	587.6	1.65844
$n_e$	546.1	1.66152
$n_F$	486.1	1.66749
$n_{F'}$	480.0	1.66824
$n_g$	435.8	1.67471
$n_h$	404.7	1.68079
$n_i$	365.0	1.69139
$n_{334.1}$	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	
$B_1$	1.59222659
$B_2$	0.103520774
$B_3$	1.051740160
$C_1$	0.00920284626
$C_2$	0.0423530072
$C_3$	106.9273740

Constants of Formula for $dn/dT$	
$D_0$	7.29E-07
$D_1$	1.17E-08
$D_2$	-1.50E-11
$E_0$	6.08E-07
$E_1$	7.66E-10
$\lambda_{TK}$ [ $\mu\text{m}$ ]	0.189

Temperature Coefficients of the Refractive Index						
[ $^{\circ}\text{C}$ ]	$\Delta n_{rel}/\Delta T$ [ $10^{-6}/\text{K}$ ]			$\Delta n_{abs}/\Delta T$ [ $10^{-6}/\text{K}$ ]		
	1060.0	e	g	1060.0	e	g
-40/-20	2.2	3.0	3.9	0.0	0.8	1.6
+20/+40	2.2	3.2	4.2	0.8	1.8	2.7
+60/+80	2.4	3.5	4.5	1.2	2.3	3.4

Internal Transmittance $\tau_i$		
$\lambda$ [nm]	$\tau_i$ [10mm]	$\tau_i$ [25mm]
2500	0.730	0.450
2325	0.850	0.660
1970	0.963	0.910
1530	0.992	0.980
1060	0.996	0.990
700	0.997	0.993
660	0.997	0.992
620	0.997	0.992
580	0.997	0.993
546	0.996	0.990
500	0.993	0.982
460	0.987	0.968
436	0.982	0.956
420	0.976	0.940
405	0.963	0.910
400	0.959	0.900
390	0.940	0.860
380	0.900	0.760
370	0.800	0.580
365	0.730	0.450
350	0.340	0.060
334	0.020	
320		
310		
300		
290		
280		
270		
260		
250		

Color Code	
$\lambda_{80} / \lambda_5$	38/34

(\* =  $\lambda_{70}/\lambda_5$ )

Remarks

Relative Partial Dispersion	
$P_{s,t}$	0.2592
$P_{C,s}$	0.5181
$P_{d,C}$	0.3003
$P_{e,d}$	0.2380
$P_{g,F}$	0.5575
$P_{i,h}$	0.8192
$P'_{s,t}$	0.2566
$P'_{C,s}$	0.5598
$P'_{d,C'}$	0.2502
$P'_{e,d}$	0.2355
$P'_{g,F'}$	0.4944
$P'_{i,h}$	0.8108

Deviation of Relative Partial Dispersion $\Delta P$ from the normal line	
$\Delta P_{C,t}$	-0.0090
$\Delta P_{C,s}$	-0.0034
$\Delta P_{F,e}$	0.0001
$\Delta P_{g,F}$	-0.0007
$\Delta P_{i,g}$	-0.0081

Other Properties	
$\alpha_{-30/+70^{\circ}\text{C}}$ [ $10^{-6}/\text{K}$ ]	6.8
$\alpha_{+20/+300^{\circ}\text{C}}$ [ $10^{-6}/\text{K}$ ]	8.0
$T_g$ [ $^{\circ}\text{C}$ ]	645
$T_{10}^{13}$ [ $^{\circ}\text{C}$ ]	637
$T_{10}^{7.6}$ [ $^{\circ}\text{C}$ ]	751
$c_p$ [ $\text{J}/(\text{g}\cdot\text{K})$ ]	0.574
$\lambda$ [ $\text{W}/(\text{m}\cdot\text{K})$ ]	
$\rho$ [ $\text{g}/\text{cm}^3$ ]	3.71
$E$ [ $10^3 \text{ N}/\text{mm}^2$ ]	88
$\mu$	0.278
$K$ [ $10^{-6} \text{ mm}^2/\text{N}$ ]	1.90
$HK_{0.1/20}$	590
HG	5
CR	2
FR	3
SR	52.2
AR	2.2
PR	3.2