

**N-SK11**  
**564608.308**

$n_d = 1.56384$	$v_d = 60.80$	$n_F - n_C = 0.009274$
$n_e = 1.56605$	$v_e = 60.55$	$n_{F'} - n_{C'} = 0.009349$

Refractive Indices		
	$\lambda$ [nm]	
$n_{2325.4}$	2325.4	1.53598
$n_{1970.1}$	1970.1	1.54131
$n_{1529.6}$	1529.6	1.54693
$n_{1060.0}$	1060.0	1.55266
$n_t$	1014.0	1.55330
$n_s$	852.1	1.55597
$n_r$	706.5	1.55939
$n_C$	656.3	1.56101
$n_{C'}$	643.8	1.56146
$n_{632.8}$	632.8	1.56188
$n_D$	589.3	1.56376
$n_d$	587.6	1.56384
$n_e$	546.1	1.56605
$n_F$	486.1	1.57028
$n_{F'}$	480.0	1.57081
$n_g$	435.8	1.57530
$n_h$	404.7	1.57946
$n_i$	365.0	1.58653
$n_{334.1}$	334.1	1.59414
$n_{312.6}$	312.6	1.60110
$n_{296.7}$	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	0.782	0.540
2325	0.882	0.730
1970	0.967	0.920
1530	0.994	0.984
1060	0.998	0.995
700	0.998	0.996
660	0.998	0.995
620	0.998	0.995
580	0.998	0.996
546	0.999	0.997
500	0.998	0.994
460	0.996	0.990
436	0.995	0.988
420	0.994	0.985
405	0.992	0.980
400	0.990	0.975
390	0.988	0.970
380	0.985	0.963
370	0.980	0.950
365	0.976	0.940
350	0.950	0.880
334	0.872	0.710
320	0.700	0.410
310	0.480	0.160
300	0.212	0.020
290	0.058	
280		
270		
260		
250		

Relative Partial Dispersion	
$P_{s,t}$	0.2874
$P_{C,s}$	0.5436
$P_{d,C}$	0.3051
$P_{e,d}$	0.2385
$P_{g,F}$	0.5411
$P_{i,h}$	0.7626
$P'_{s,t}$	0.2850
$P'_{C',s}$	0.5875
$P'_{d,C'}$	0.2544
$P'_{e,d}$	0.2366
$P'_{g,F'}$	0.4805
$P'_{i,h}$	0.7564

### Deviation of Relative Partial Dispersions $\Delta P$ from the "Normal Line"

$\Delta P_{C,t}$	-0.0024
$\Delta P_{C,s}$	-0.0011
$\Delta P_{F,e}$	0.0000
$\Delta P_{g,F}$	-0.0004
$\Delta P_{i,g}$	-0.0037

Constants of Dispersion Formula	
$B_1$	1.17963631
$B_2$	0.229817295
$B_3$	0.935789652
$C_1$	0.00680282081
$C_2$	0.0219737205
$C_3$	101.513232

Constants of Dispersion $dn/dT$	
$D_0$	$2.14 \cdot 10^{-6}$
$D_1$	$1.27 \cdot 10^{-8}$
$D_2$	$-7.21 \cdot 10^{-11}$
$E_0$	$3.51 \cdot 10^{-7}$
$E_1$	$5.41 \cdot 10^{-10}$
$\lambda_{TK} [\mu m]$	0.238

Color Code	
$\lambda_{80}/\lambda_5$	34/29
(* = $\lambda_{70}/\lambda_5$ )	

Remarks	

Other Properties	
$\alpha_{-30/+70^\circ C} [10^{-6}/K]$	6.5
$\alpha_{+20/+300^\circ C} [10^{-6}/K]$	7.6
$T_g [^\circ C]$	610
$T_{10}^{13.0} [^\circ C]$	601
$T_{10}^{7.6} [^\circ C]$	760
$c_p [J/(g \cdot K)]$	
$\lambda [W/(m \cdot K)]$	
$\rho [g/cm^3]$	3.08
$E [10^3 N/mm^2]$	79
$\mu$	0.239
$K [10^{-6} mm^2/N]$	2.45
$HK_{0.1/20}$	570
<b>HG</b>	2
<b>CR</b>	2
<b>FR</b>	0
<b>SR</b>	2
<b>AR</b>	1
<b>PR</b>	2.3

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	2.4	2.8	3.4	0.3	0.7	1.2
+20/ +40	2.6	3.2	3.8	1.2	1.8	2.4
+60/ +80	2.5	3.2	3.9	1.5	2.1	2.8