

## 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	

Constants of Dispersion Formula	
$B_1$	1.179636310
$B_2$	0.229817295
$B_3$	0.935789652
$C_1$	0.006802821
$C_2$	0.0219737205
$C_3$	101.51323200

Constants of Formula for $dn/dT$	
$D_0$	2.14E-06
$D_1$	1.27E-08
$D_2$	-7.21E-11
$E_0$	3.51E-07
$E_1$	5.41E-10
$\lambda_{TK}$ [ $\mu\text{m}$ ]	0.238

[°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

Internal Transmittance $\tau_i$		
$\lambda$ [nm]	$\tau_i$ [10mm]	$\tau_i$ [25mm]
2500	0.78	0.54
2325	0.88	0.73
1970	0.967	0.92
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	0.94
350	0.950	0.88
334	0.87	0.71
320	0.70	0.41
310	0.48	0.16
300	0.21	0.02
290	0.06	
280		
270		
260		
250		

Color Code	
$\lambda_{80} / \lambda_5$	34/29

Remarks

Relative Partial Dispersion P	
$P_{s,t}$	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

Relative Partial Dispersion P'	
$P'_{s,t}$	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 Rel. Partial Disp. $\Delta P$ 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

Chemical Properties	
CR	2
FR	0
SR	2
AR	1
PR	2.3

Other Properties	
$\alpha_{-30/+70^\circ\text{C}}$ [ $10^{-6}/K$ ]	6.5
$\alpha_{+20/+300^\circ\text{C}}$ [ $10^{-6}/K$ ]	7.6
$T_g$ [°C]	610
$T_{10}^{13}$ [°C]	601
$T_{10}^{7.6}$ [°C]	760
$c_p$ [J/(g·K)]	0.650
$\lambda$ [W/(m·K)]	0.920
$\rho$ [g/cm <sup>3</sup> ]	3.08
$E$ [ $10^3$ N/mm <sup>2</sup> ]	79
$\mu$	0.239
$K$ [ $10^{-6}$ mm <sup>2</sup> /N]	2.45
$HK_{0.1/20}$	570
HG	2