

## N-SK14 603606.343

$n_d = 1.60311$

$v_d = 60.60$

$n_F - n_C = 0.009953$

$n_e = 1.60548$

$v_e = 60.34$

$n_F - n_C = 0.010034$

Refractive Indices		
	$\lambda$ [nm]	
$n_{2325.4}$	2325.4	1.57336
$n_{1970.1}$	1970.1	1.57903
$n_{1529.6}$	1529.6	1.58502
$n_{1060.0}$	1060.0	1.59113
$n_t$	1014.0	1.59182
$n_s$	852.1	1.59467
$n_r$	706.5	1.59834
$n_C$	656.3	1.60008
$n_{C'}$	643.8	1.60056
$n_{632.8}$	632.8	1.60101
$n_D$	589.3	1.60302
$n_d$	587.6	1.60311
$n_e$	546.1	1.60548
$n_F$	486.1	1.61003
$n_{F'}$	480.0	1.61059
$n_g$	435.8	1.61542
$n_h$	404.7	1.61988
$n_i$	365.0	1.62748
$n_{334.1}$	334.1	1.63564
$n_{312.6}$	312.6	
$n_{296.7}$	296.7	
$n_{280.4}$	280.4	
$n_{248.3}$	248.3	

Constants of Dispersion Formula	
$B_1$	0.936155374
$B_2$	0.594052018
$B_3$	1.043745830
$C_1$	0.004617165
$C_2$	0.0168859270
$C_3$	103.73626500

Constants of Formula for $dn/dT$	
$D_0$	1.58E-06
$D_1$	1.22E-08
$D_2$	-8.04E-12
$E_0$	4.46E-07
$E_1$	5.22E-10
$\lambda_{TK}$ [ $\mu\text{m}$ ]	0.150

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	2.5	3.0	3.5	0.3	0.8	1.3
+20/+40	2.4	3.1	3.7	1.1	1.7	2.3
+60/+80	2.6	3.3	4.0	1.5	2.2	2.8

Internal Transmittance $\tau_i$		
$\lambda$ [nm]	$\tau_i$ [10mm]	$\tau_i$ [25mm]
2500	0.68	0.38
2325	0.83	0.63
1970	0.959	0.90
1530	0.992	0.980
1060	0.998	0.994
700	0.998	0.995
660	0.998	0.995
620	0.998	0.995
580	0.998	0.995
546	0.998	0.995
500	0.997	0.993
460	0.995	0.988
436	0.994	0.985
420	0.993	0.983
405	0.991	0.978
400	0.990	0.975
390	0.988	0.970
380	0.981	0.952
370	0.971	0.93
365	0.963	0.91
350	0.91	0.79
334	0.77	0.52
320	0.55	0.22
310	0.35	0.07
300	0.16	
290	0.04	
280		
270		
260		
250		

Color Code	
$\lambda_{80} / \lambda_5$	35/29

Remarks

Relative Partial Dispersion P	
$P_{s,t}$	0.2864
$P_{C,s}$	0.5427
$P_{d,C}$	0.3049
$P_{e,d}$	0.2385
$P_{g,F}$	0.5415
$P_{i,h}$	0.7631

Relative Partial Dispersion P'	
$P'_{s,t}$	0.2841
$P'_{C,s}$	0.5865
$P'_{d,C'}$	0.2542
$P'_{e,d}$	0.2366
$P'_{g,F'}$	0.4808
$P'_{i,h}$	0.7569

Deviation of Rel. Partial Disp. $\Delta P$ from the normal line	
$\Delta P_{C,t}$	-0.0033
$\Delta P_{C,s}$	-0.0015
$\Delta P_{F,e}$	0.0000
$\Delta P_{g,F}$	-0.0003
$\Delta P_{i,g}$	-0.0044

Chemical Properties	
CR	4
FR	2
SR	51.3
AR	2
PR	2.3

Other Properties	
$\alpha_{-30/+70^\circ\text{C}}$ [ $10^{-6}/K$ ]	6.0
$\alpha_{+20/+300^\circ\text{C}}$ [ $10^{-6}/K$ ]	7.0
$T_g$ [°C]	654
$T_{10}^{13}$ [°C]	638
$T_{10}^{7.6}$ [°C]	773
$c_p$ [J/(g·K)]	0.636
$\lambda$ [W/(m·K)]	0.851
$\rho$ [g/cm <sup>3</sup> ]	3.43
$E$ [ $10^3$ N/mm <sup>2</sup> ]	86
$\mu$	0.261
$K$ [ $10^{-6}$ mm <sup>2</sup> /N]	2.00
$HK_{0.1/20}$	600
HG	3