

N-SK14 603606.344

$n_d = 1.60311$	$v_d = 60.60$	$n_F - n_C = 0.009953$
$n_e = 1.60548$	$v_e = 60.34$	$n_{F'} - n_{C'} = 0.010034$

Refractive Indices		
	λ [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	

Internal Transmittance τ_i		
λ [nm]	τ_i (10mm)	τ_i (25mm)
2500	0.679	0.380
2325	0.831	0.630
1970	0.959	0.900
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	0.930
365	0.963	0.910
350	0.910	0.790
334	0.770	0.520
320	0.546	0.220
310	0.345	0.070
300	0.160	
290	0.040	
280		
270		
260		
250		

Relative Partial Dispersion	
$P_{s,t}$	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
$P'_{s,t}$	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 Relative Partial Dispersions ΔP 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

Constants of Dispersion Formula	
B_1	0.936155374
B_2	0.594052018
B_3	1.04374583
C_1	0.00461716525
C_2	0.016885927
C_3	103.736265

Constants of Dispersion dn/dT	
D_0	$1.58 \cdot 10^{-6}$
D_1	$1.22 \cdot 10^{-8}$
D_2	$-8.04 \cdot 10^{-12}$
E_0	$4.46 \cdot 10^{-7}$
E_1	$5.22 \cdot 10^{-10}$
$\lambda_{TK} [\mu m]$	0.15

Color Code	
λ_{80}/λ_5	35/29
(* = λ_{70}/λ_5)	

Remarks	

Other Properties	
$\alpha_{-30/+70^\circ C} [10^{-6}/K]$	6.0
$\alpha_{+20/+300^\circ C} [10^{-6}/K]$	7.3
$T_g [^\circ C]$	649
$T_{10}^{13.0} [^\circ C]$	638
$T_{10}^{7.6} [^\circ C]$	773
$c_p [J/(g \cdot K)]$	0.636
$\lambda [W/(m \cdot K)]$	0.851
$\rho [g/cm^3]$	3.44
$E [10^3 N/mm^2]$	86
μ	0.261
$K [10^{-6} mm^2/N]$	2.00
$HK_{0.1/20}$	600
HG	3
CR	4
FR	2
SR	51.3
AR	2
PR	2.3

Temperature Coefficients of 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