

## N-SK16 620603.358

$n_d = 1.62041$	$v_d = 60.32$	$n_F - n_C = 0.010285$
$n_e = 1.62286$	$v_e = 60.08$	$n_{F'} - n_{C'} = 0.010368$

Refractive Indices		
	$\lambda$ [nm]	
$n_{2325.4}$	2325.4	1.58919
$n_{1970.1}$	1970.1	1.59523
$n_{1529.6}$	1529.6	1.60157
$n_{1060.0}$	1060.0	1.60799
$n_t$	1014.0	1.60871
$n_s$	852.1	1.61167
$n_r$	706.5	1.61548
$n_C$	656.3	1.61727
$n_{C'}$	643.8	1.61777
$n_{632.8}$	632.8	1.61824
$n_D$	589.3	1.62032
$n_d$	587.6	1.62041
$n_e$	546.1	1.62286
$n_F$	486.1	1.62756
$n_{F'}$	480.0	1.62814
$n_g$	435.8	1.63312
$n_h$	404.7	1.63773
$n_i$	365.0	1.64559
$n_{334.1}$	334.1	1.65403
$n_{312.6}$	312.6	1.66178
$n_{296.7}$	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	0.583	0.260
2325	0.782	0.540
1970	0.950	0.880
1530	0.989	0.973
1060	0.998	0.995
700	0.998	0.996
660	0.998	0.994
620	0.997	0.993
580	0.998	0.994
546	0.998	0.994
500	0.996	0.991
460	0.994	0.984
436	0.992	0.981
420	0.992	0.979
405	0.990	0.974
400	0.988	0.970
390	0.982	0.956
380	0.971	0.930
370	0.954	0.890
365	0.941	0.860
350	0.867	0.700
334	0.693	0.400
320	0.414	0.110
310	0.209	0.020
300	0.063	
290	0.010	
280		
270		
260		
250		

Relative Partial Dispersion	
$P_{s,t}$	0.2885
$P_{C,s}$	0.5443
$P_{d,C}$	0.3051
$P_{e,d}$	0.2385
$P_{g,F}$	0.5412
$P_{i,h}$	0.7633
$P'_{s,t}$	0.2861
$P'_{C',s}$	0.5882
$P'_{d,C'}$	0.2544
$P'_{e,d}$	0.2366
$P'_{g,F'}$	0.4805
$P'_{i,h}$	0.7572

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

$\Delta P_{C,t}$	0.0016
$\Delta P_{C,s}$	0.0007
$\Delta P_{F,e}$	-0.0003
$\Delta P_{g,F}$	-0.0011
$\Delta P_{i,g}$	-0.0067

Constants of Dispersion Formula	
$B_1$	1.34317774
$B_2$	0.241144399
$B_3$	0.994317969
$C_1$	0.00704687339
$C_2$	0.0229005
$C_3$	92.7508526

Constants of Dispersion $dn/dT$	
$D_0$	$-2.37 \cdot 10^{-8}$
$D_1$	$1.32 \cdot 10^{-8}$
$D_2$	$-1.29 \cdot 10^{-11}$
$E_0$	$4.09 \cdot 10^{-7}$
$E_1$	$5.17 \cdot 10^{-10}$
$\lambda_{TK} [\mu m]$	0.17

Color Code	
$\lambda_{80}/\lambda_5$	36/30
(* = $\lambda_{70}/\lambda_5$ )	

Remarks	

Other Properties	
$\alpha_{-30/+70^\circ C} [10^{-6}/K]$	6.3
$\alpha_{+20/+300^\circ C} [10^{-6}/K]$	7.3
$T_g [^\circ C]$	636
$T_{10}^{13.0} [^\circ C]$	633
$T_{10}^{7.6} [^\circ C]$	750
$c_p [J/(g \cdot K)]$	0.578
$\lambda [W/(m \cdot K)]$	0.818
$\rho [g/cm^3]$	3.58
$E [10^3 N/mm^2]$	89
$\mu$	0.264
$K [10^{-6} mm^2/N]$	1.90
$HK_{0.1/20}$	600
<b>HG</b>	4
<b>CR</b>	4
<b>FR</b>	4
<b>SR</b>	53.3
<b>AR</b>	3.3
<b>PR</b>	3.2

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	1.6	2.2	2.6	-0.5	-0.1	0.4
+20/ +40	1.7	2.3	2.9	0.3	0.9	1.4
+60/ +80	1.9	2.6	3.2	0.8	1.5	2.1