

## N-SK2 607567.355

$n_d = 1.60738$	$v_d = 56.65$	$n_F - n_C = 0.010722$
$n_e = 1.60994$	$v_e = 56.37$	$n_{F'} - n_{C'} = 0.010821$

Refractive Indices		
	$\lambda$ [nm]	
$n_{2325.4}$	2325.4	1.57881
$n_{1970.1}$	1970.1	1.58378
$n_{1529.6}$	1529.6	1.58914
$n_{1060.0}$	1060.0	1.59490
$n_t$	1014.0	1.59558
$n_s$	852.1	1.59847
$n_r$	706.5	1.60230
$n_C$	656.3	1.60414
$n_{C'}$	643.8	1.60465
$n_{632.8}$	632.8	1.60513
$n_D$	589.3	1.60729
$n_d$	587.6	1.60738
$n_e$	546.1	1.60994
$n_F$	486.1	1.61486
$n_{F'}$	480.0	1.61547
$n_g$	435.8	1.62073
$n_h$	404.7	1.62562
$n_i$	365.0	1.63398
$n_{334.1}$	334.1	1.64304
$n_{312.6}$	312.6	
$n_{296.7}$	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	0.815	0.600
2325	0.896	0.760
1970	0.971	0.930
1530	0.995	0.988
1060	0.998	0.995
700	0.998	0.995
660	0.998	0.994
620	0.998	0.994
580	0.998	0.995
546	0.998	0.995
500	0.996	0.990
460	0.993	0.983
436	0.993	0.982
420	0.994	0.984
405	0.994	0.985
400	0.994	0.984
390	0.992	0.979
380	0.988	0.970
370	0.976	0.940
365	0.967	0.920
350	0.905	0.780
334	0.752	0.490
320	0.504	0.180
310	0.276	0.040
300	0.102	
290	0.020	
280		
270		
260		
250		

Relative Partial Dispersion	
$P_{s,t}$	0.2690
$P_{C,s}$	0.5285
$P_{d,C}$	0.3027
$P_{e,d}$	0.2384
$P_{g,F}$	0.5477
$P_{i,h}$	0.7802
$P'_{s,t}$	0.2666
$P'_{C',s}$	0.5713
$P'_{d,C'}$	0.2523
$P'_{e,d}$	0.2362
$P'_{g,F'}$	0.4860
$P'_{i,h}$	0.7730

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

$\Delta P_{C,t}$	-0.0162
$\Delta P_{C,s}$	-0.0064
$\Delta P_{F,e}$	0.0003
$\Delta P_{g,F}$	-0.0008
$\Delta P_{i,g}$	-0.0130

Constants of Dispersion Formula	
$B_1$	1.28189012
$B_2$	0.257738258
$B_3$	0.96818604
$C_1$	0.0072719164
$C_2$	0.0242823527
$C_3$	110.377773

Constants of Dispersion $dn/dT$	
$D_0$	$3.80 \cdot 10^{-6}$
$D_1$	$1.41 \cdot 10^{-8}$
$D_2$	$2.28 \cdot 10^{-11}$
$E_0$	$6.44 \cdot 10^{-7}$
$E_1$	$8.03 \cdot 10^{-11}$
$\lambda_{TK} [\mu m]$	0.108

Color Code	
$\lambda_{80}/\lambda_5$	33/28
(* = $\lambda_{70}/\lambda_5$ )	

Remarks	
step 0.5 available	

Other Properties	
$\alpha_{-30/+70^\circ C} [10^{-6}/K]$	6.0
$\alpha_{+20/+300^\circ C} [10^{-6}/K]$	7.1
$T_g [^\circ C]$	659
$T_{10}^{13.0} [^\circ C]$	659
$T_{10}^{7.6} [^\circ C]$	823
$c_p [J/(g \cdot K)]$	0.595
$\lambda [W/(m \cdot K)]$	0.776
$\rho [g/cm^3]$	3.55
$E [10^3 N/mm^2]$	78
$\mu$	0.263
$K [10^{-6} mm^2/N]$	2.31
$HK_{0.1/20}$	550
<b>HG</b>	2
<b>CR</b>	2
<b>FR</b>	0
<b>SR</b>	2.2
<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	3.7	4.6	5.3	1.5	2.4	3.1
+20/ +40	3.6	4.5	5.3	2.3	3.1	3.9
+60/ +80	4.0	4.9	5.7	2.9	3.8	4.5