

## N-SSK2 622533.353

$n_d = 1.62229$	$v_d = 53.27$	$n_F - n_C = 0.011681$
$n_e = 1.62508$	$v_e = 52.99$	$n_{F'} - n_{C'} = 0.011795$

Refractive Indices		
	$\lambda$ [nm]	
$n_{2325.4}$	2325.4	1.59149
$n_{1970.1}$	1970.1	1.59685
$n_{1529.6}$	1529.6	1.60260
$n_{1060.0}$	1060.0	1.60880
$n_t$	1014.0	1.60953
$n_s$	852.1	1.61264
$n_r$	706.5	1.61678
$n_C$	656.3	1.61877
$n_{C'}$	643.8	1.61933
$n_{632.8}$	632.8	1.61985
$n_D$	589.3	1.62219
$n_d$	587.6	1.62229
$n_e$	546.1	1.62508
$n_F$	486.1	1.63045
$n_{F'}$	480.0	1.63112
$n_g$	435.8	1.63691
$n_h$	404.7	1.64232
$n_i$	365.0	1.65166
$n_{334.1}$	334.1	
$n_{312.6}$	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	0.758	0.500
2325	0.877	0.720
1970	0.971	0.930
1530	0.992	0.981
1060	0.997	0.992
700	0.998	0.996
660	0.998	0.994
620	0.997	0.993
580	0.998	0.995
546	0.998	0.995
500	0.997	0.992
460	0.994	0.985
436	0.992	0.980
420	0.990	0.975
405	0.985	0.963
400	0.981	0.954
390	0.967	0.920
380	0.941	0.860
370	0.891	0.750
365	0.852	0.670
350	0.574	0.250
334	0.084	
320		
310		
300		
290		
280		
270		
260		
250		

Relative Partial Dispersion	
$P_{s,t}$	0.2661
$P_{C,s}$	0.5246
$P_{d,C}$	0.3016
$P_{e,d}$	0.2381
$P_{g,F}$	0.5526
$P_{i,h}$	0.7997
$P'_{s,t}$	0.2636
$P'_{C',s}$	0.5669
$P'_{d,C'}$	0.2513
$P'_{e,d}$	0.2358
$P'_{g,F'}$	0.4902
$P'_{i,h}$	0.7920

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

$\Delta P_{C,t}$	-0.0069
$\Delta P_{C,s}$	-0.0025
$\Delta P_{F,e}$	-0.0001
$\Delta P_{g,F}$	-0.0016
$\Delta P_{i,g}$	-0.0146

Constants of Dispersion Formula	
$B_1$	1.4306027
$B_2$	0.153150554
$B_3$	1.01390904
$C_1$	0.00823982975
$C_2$	0.0333736841
$C_3$	106.870822

Constants of Dispersion $dn/dT$	
$D_0$	$5.21 \cdot 10^{-6}$
$D_1$	$1.34 \cdot 10^{-8}$
$D_2$	$-1.01 \cdot 10^{-11}$
$E_0$	$5.21 \cdot 10^{-7}$
$E_1$	$5.87 \cdot 10^{-10}$
$\lambda_{TK} [\mu m]$	0.199

Color Code	
$\lambda_{80}/\lambda_5$	37/33
(*= $\lambda_{70}/\lambda_5$ )	

Remarks	

Other Properties	
$\alpha_{-30/+70^\circ C} [10^{-6}/K]$	5.8
$\alpha_{+20/+300^\circ C} [10^{-6}/K]$	6.7
$T_g [^\circ C]$	653
$T_{10}^{13.0} [^\circ C]$	655
$T_{10}^{7.6} [^\circ C]$	801
$c_p [J/(g \cdot K)]$	0.580
$\lambda [W/(m \cdot K)]$	0.810
$\rho [g/cm^3]$	3.53
$E [10^3 N/mm^2]$	82
$\mu$	0.261
$K [10^{-6} mm^2/N]$	2.51
$HK_{0.1/20}$	570
<b>HG</b>	3
<b>CR</b>	1
<b>FR</b>	0
<b>SR</b>	1.2
<b>AR</b>	1
<b>PR</b>	1

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	4.2	5.0	5.8	2.1	2.8	3.5
+20/ +40	4.3	5.2	6.1	2.9	3.8	4.6
+60/ +80	4.5	5.5	6.4	3.5	4.4	5.3