

N-SK10 623570.364

$n_d = 1.62278$	$v_d = 56.98$	$n_F - n_C = 0.010929$
$n_e = 1.62539$	$v_e = 56.70$	$n_{F'} - n_{C'} = 0.011029$

Refractive Indices		
	λ [nm]	
$n_{2325.4}$	2325.4	1.59310
$n_{1970.1}$	1970.1	1.59837
$n_{1529.6}$	1529.6	1.60400
$n_{1060.0}$	1060.0	1.61000
n_t	1014.0	1.61071
n_s	852.1	1.61367
n_r	706.5	1.61759
n_C	656.3	1.61947
$n_{C'}$	643.8	1.62000
$n_{632.8}$	632.8	1.62049
n_D	589.3	1.62268
n_d	587.6	1.62278
n_e	546.1	1.62539
n_F	486.1	1.63040
$n_{F'}$	480.0	1.63102
n_g	435.8	1.63638
n_h	404.7	1.64137
n_i	365.0	1.64989
$n_{334.1}$	334.1	
$n_{312.6}$	312.6	
$n_{296.7}$	296.7	
$n_{280.4}$	280.4	
$n_{248.3}$	248.3	

Internal Transmittance τ_i		
λ [nm]	τ_i (10mm)	τ_i (25mm)
2500	0.733	0.460
2325	0.852	0.670
1970	0.967	0.920
1530	0.992	0.980
1060	0.998	0.994
700	0.998	0.995
660	0.997	0.993
620	0.998	0.994
580	0.998	0.996
546	0.998	0.996
500	0.998	0.995
460	0.996	0.990
436	0.995	0.987
420	0.994	0.985
405	0.990	0.975
400	0.988	0.970
390	0.980	0.950
380	0.963	0.910
370	0.933	0.840
365	0.910	0.790
350	0.770	0.520
334	0.414	0.110
320	0.068	
310		
300		
290		
280		
270		
260		
250		

Relative Partial Dispersion	
$P_{s,t}$	0.2714
$P_{C,s}$	0.5302
$P_{d,C}$	0.3029
$P_{e,d}$	0.2384
$P_{g,F}$	0.5474
$P_{i,h}$	0.7803
$P'_{s,t}$	0.2689
$P'_{C',s}$	0.5731
$P'_{d,C'}$	0.2525
$P'_{e,d}$	0.2362
$P'_{g,F'}$	0.4857
$P'_{i,h}$	0.7732

Deviation of Relative Partial Dispersions ΔP from the "Normal Line"

$\Delta P_{C,t}$	-0.0137
$\Delta P_{C,s}$	-0.0055
$\Delta P_{F,e}$	0.0003
$\Delta P_{g,F}$	-0.0005
$\Delta P_{i,g}$	-0.0103

Constants of Dispersion Formula	
B_1	1.34972093
B_2	0.238587973
B_3	0.9667336
C_1	0.00736272269
C_2	0.0253765327
C_3	103.502909

Constants of Dispersion dn/dT	
D_0	$5.05 \cdot 10^{-7}$
D_1	$1.16 \cdot 10^{-8}$
D_2	$-1.53 \cdot 10^{-11}$
E_0	$4.90 \cdot 10^{-7}$
E_1	$5.10 \cdot 10^{-10}$
$\lambda_{TK} [\mu m]$	0.183

Color Code	
λ_{80}/λ_5	36/32
(* = λ_{70}/λ_5)	

Remarks	
inquiry glass	

Other Properties	
$\alpha_{-30/+70^\circ C} [10^{-6}/K]$	6.8
$\alpha_{+20/+300^\circ C} [10^{-6}/K]$	7.8
$T_g [^\circ C]$	633
$T_{10}^{13.0} [^\circ C]$	635
$T_{10}^{7.6} [^\circ C]$	758
$c_p [J/(g \cdot K)]$	0.540
$\lambda [W/(m \cdot K)]$	0.770
$\rho [g/cm^3]$	3.64
$E [10^3 N/mm^2]$	81
μ	0.266
$K [10^{-6} mm^2/N]$	2.25
$HK_{0.1/20}$	550
HG	3
CR	3
FR	3
SR	52.2
AR	2
PR	2.2

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	2.0	2.7	3.3	-0.2	0.4	1.0
+20/ +40	2.0	2.7	3.5	0.6	1.3	2.0
+60/ +80	2.1	2.9	3.7	1.0	1.8	2.6