

K5G20 523568.259

$n_d = 1.52344$	$v_d = 56.76$	$n_F - n_C = 0.009222$
$n_e = 1.52564$	$v_e = 56.47$	$n_{F'} - n_{C'} = 0.009308$

Refractive Indices		
	λ [nm]	
$n_{2325.4}$	2325.4	1.49784
$n_{1970.1}$	1970.1	1.50236
$n_{1529.6}$	1529.6	1.50730
$n_{1060.0}$	1060.0	1.51258
n_t	1014.0	1.51319
n_s	852.1	1.51573
n_r	706.5	1.51906
n_C	656.3	1.52065
$n_{C'}$	643.8	1.52109
$n_{632.8}$	632.8	1.52151
n_D	589.3	1.52336
n_d	587.6	1.52344
n_e	546.1	1.52564
n_F	486.1	1.52987
$n_{F'}$	480.0	1.53040
n_g	435.8	1.53494
n_h	404.7	1.53919
n_i	365.0	1.54651
$n_{334.1}$	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	0.634	0.320
2325	0.733	0.460
1970	0.896	0.760
1530	0.990	0.976
1060	0.998	0.995
700	0.997	0.992
660	0.995	0.987
620	0.994	0.985
580	0.993	0.982
546	0.990	0.976
500	0.984	0.961
460	0.971	0.930
436	0.954	0.890
420	0.924	0.820
405	0.857	0.680
400	0.821	0.610
390	0.686	0.390
380	0.442	0.130
370	0.130	
365	0.029	
350		
334		
320		
310		
300		
290		
280		
270		
260		
250		

Relative Partial Dispersion	
$P_{s,t}$	0.2764
$P_{C,s}$	0.5327
$P_{d,C}$	0.3027
$P_{e,d}$	0.2382
$P_{g,F}$	0.5500
$P_{i,h}$	0.7943
$P'_{s,t}$	0.2738
$P'_{C',s}$	0.5755
$P'_{d,C'}$	0.2523
$P'_{e,d}$	0.2360
$P'_{g,F'}$	0.4881
$P'_{i,h}$	0.7870

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

$\Delta P_{C,t}$	-0.0051
$\Delta P_{C,s}$	-0.0025
$\Delta P_{F,e}$	0.0005
$\Delta P_{g,F}$	0.0017
$\Delta P_{i,g}$	0.0065

Constants of Dispersion Formula	
B_1	1.14094396
B_2	0.14500119
B_3	37.4705786
C_1	0.00694945478
C_2	0.0310574444
C_3	4536.25624

Constants of Dispersion dn/dT	
D_0	$-2.22 \cdot 10^{-6}$
D_1	$8.45 \cdot 10^{-9}$
D_2	$-3.31 \cdot 10^{-11}$
E_0	$5.44 \cdot 10^{-7}$
E_1	$4.95 \cdot 10^{-10}$
$\lambda_{TK} [\mu m]$	0.214

Color Code	
λ_{80}/λ_5	41/37
(* = λ_{70}/λ_5)	

Remarks	
radiation resistant glass	

Other Properties	
$\alpha_{-30/+70^\circ C} [10^{-6}/K]$	9.0
$\alpha_{+20/+300^\circ C} [10^{-6}/K]$	10.3
$T_g [^\circ C]$	483
$T_{10}^{13.0} [^\circ C]$	501
$T_{10}^{7.6} [^\circ C]$	679
$c_p [J/(g \cdot K)]$	0.790
$\lambda [W/(m \cdot K)]$	1.000
$\rho [g/cm^3]$	2.59
$E [10^3 N/mm^2]$	68
μ	0.222
$K [10^{-6} mm^2/N]$	
$HK_{0.1/20}$	510
HG	
CR	
FR	0
SR	1
AR	1
PR	0

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	0.8	1.5	2.2	-1.2	-0.6	0.1
+20/ +40	0.6	1.4	2.1	-0.7	0.1	0.8
+60/ +80	0.6	1.4	2.2	-0.5	0.3	1.1