

F2G12 621366.360

$n_d = 1.62072$	$v_d = 36.56$	$n_F - n_C = 0.016979$
$n_e = 1.62474$	$v_e = 36.30$	$n_{F'} - n_{C'} = 0.017212$

Refractive Indices		
	λ [nm]	
$n_{2325.4}$	2325.4	1.58584
$n_{1970.1}$	1970.1	1.59051
$n_{1529.6}$	1529.6	1.59593
$n_{1060.0}$	1060.0	1.60265
n_t	1014.0	1.60353
n_s	852.1	1.60744
n_r	706.5	1.61298
n_C	656.3	1.61573
$n_{C'}$	643.8	1.61652
$n_{632.8}$	632.8	1.61725
n_D	589.3	1.62057
n_d	587.6	1.62072
n_e	546.1	1.62474
n_F	486.1	1.63271
$n_{F'}$	480.0	1.63373
n_g	435.8	1.64261
n_h	404.7	1.65121
n_i	365.0	
$n_{334.1}$	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	0.891	0.750
2325	0.924	0.820
1970	0.971	0.930
1530	0.996	0.989
1060	0.999	0.997
700	0.995	0.988
660	0.994	0.984
620	0.992	0.979
580	0.989	0.972
546	0.985	0.963
500	0.974	0.937
460	0.937	0.850
436	0.842	0.650
420	0.693	0.400
405	0.428	0.120
400	0.325	0.060
390	0.124	
380	0.019	
370		
365		
350		
334		
320		
310		
300		
290		
280		
270		
260		
250		

Relative Partial Dispersion	
$P_{s,t}$	0.2303
$P_{C,s}$	0.4883
$P_{d,C}$	0.2937
$P_{e,d}$	0.2369
$P_{g,F}$	0.5831
$P_{i,h}$	
$P'_{s,t}$	0.2272
$P'_{C',s}$	0.5271
$P'_{d,C'}$	0.2443
$P'_{e,d}$	0.2337
$P'_{g,F'}$	0.5163
$P'_{i,h}$	

Deviation of Relative Partial Dispersions ΔP from the "Normal Line"	
$\Delta P_{C,t}$	0.0002
$\Delta P_{C,s}$	0.0002
$\Delta P_{F,e}$	0.0002
$\Delta P_{g,F}$	0.0008
$\Delta P_{i,g}$	

Constants of Dispersion Formula	
B_1	1.34702224
B_2	0.210037763
B_3	19.5350768
C_1	0.00980850553
C_2	0.0471788018
C_3	2279.1547

Constants of Dispersion dn/dT	
D_0	
D_1	
D_2	
E_0	
E_1	
λ_{TK} [μm]	

Color Code	
λ_{80}/λ_5	45/39
(* = λ_{70}/λ_5)	

Remarks	
radiation resistant glass	

Other Properties	
$\alpha_{-30/+70^\circ C}$ [$10^{-6}/K$]	8.1
$\alpha_{+20/+300^\circ C}$ [$10^{-6}/K$]	9.0
T_g [$^\circ C$]	435
$T_{10}^{13.0}$ [$^\circ C$]	438
$T_{10}^{7.6}$ [$^\circ C$]	604
c_p [J/(g·K)]	0.530
λ [W/(m·K)]	0.820
ρ [g/cm ³]	3.60
E [10^3 N/mm ²]	58
μ	0.222
K [10^{-6} mm ² /N]	2.79
$HK_{0.1/20}$	428
HG	
CR	1
FR	0
SR	1
AR	1.3
PR	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						
+20/ +40						
+60/ +80						