

LF5G15 584408.322

$n_d = 1.58397$	$v_d = 40.83$	$n_F - n_C = 0.014301$
$n_e = 1.58736$	$v_e = 40.55$	$n_{F'} - n_{C'} = 0.014484$

Refractive Indices		
	λ [nm]	
$n_{2325.4}$	2325.4	1.55252
$n_{1970.1}$	1970.1	1.55707
$n_{1529.6}$	1529.6	1.56225
$n_{1060.0}$	1060.0	1.56842
n_t	1014.0	1.56920
n_s	852.1	1.57263
n_r	706.5	1.57739
n_C	656.3	1.57974
$n_{C'}$	643.8	1.58041
$n_{632.8}$	632.8	1.58103
n_D	589.3	1.58384
n_d	587.6	1.58397
n_e	546.1	1.58736
n_F	486.1	1.59404
$n_{F'}$	480.0	1.59489
n_g	435.8	1.60228
n_h	404.7	
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	0.693	0.400
2325	0.770	0.520
1970	0.912	0.795
1530	0.994	0.985
1060	0.999	0.998
700	0.997	0.992
660	0.996	0.989
620	0.995	0.987
580	0.993	0.984
546	0.991	0.979
500	0.985	0.963
460	0.966	0.918
436	0.917	0.805
420	0.833	0.632
405	0.657	0.350
400	0.569	0.244
390	0.350	0.070
380	0.134	
370	0.020	
365		
350		
334		
320		
310		
300		
290		
280		
270		
260		
250		

Relative Partial Dispersion	
$P_{s,t}$	0.2397
$P_{C,s}$	0.4975
$P_{d,C}$	0.2957
$P_{e,d}$	0.2372
$P_{g,F}$	0.5759
$P_{i,h}$	
$P'_{s,t}$	0.2367
$P'_{C',s}$	0.5372
$P'_{d,C'}$	0.2460
$P'_{e,d}$	0.2342
$P'_{g,F'}$	0.5101
$P'_{i,h}$	

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

$\Delta P_{C,t}$	-0.0015
$\Delta P_{C,s}$	-0.0006
$\Delta P_{F,e}$	0.0002
$\Delta P_{g,F}$	0.0008
$\Delta P_{i,g}$	

Constants of Dispersion Formula	
B_1	1.28887331
B_2	0.162818811
B_3	10.5579792
C_1	0.0092001566
C_2	0.0456954308
C_3	1275.44015

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

Color Code	
λ_{80}/λ_5	43/37
(* = λ_{70}/λ_5)	

Remarks	
radiation resistant glass	

Other Properties	
$\alpha_{-30/+70^\circ C}$ [$10^{-6}/K$]	9.3
$\alpha_{+20/+300^\circ C}$ [$10^{-6}/K$]	10.7
T_g [$^\circ C$]	407
$T_{10}^{13.0}$ [$^\circ C$]	412
$T_{10}^{7.6}$ [$^\circ C$]	578
c_p [J/(g·K)]	0.600
λ [W/(m·K)]	0.860
ρ [g/cm ³]	3.22
E [10^3 N/mm ²]	60
μ	0.228
K [10^{-6} mm ² /N]	2.77
$HK_{0.1/20}$	446
HG	
CR	2
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						