

F5
603380.347

$n_d = 1.60342$	$v_d = 38.03$	$n_F - n_C = 0.015867$
$n_e = 1.60718$	$v_e = 37.77$	$n_F' - n_C' = 0.016078$

Refractive Indices		
	λ [nm]	
$n_{2325.4}$	2325.4	1.56934
$n_{1970.1}$	1970.1	1.57427
$n_{1529.6}$	1529.6	1.57979
$n_{1060.0}$	1060.0	1.58636
n_t	1014.0	1.58721
n_s	852.1	1.59093
n_f	706.5	1.59616
n_C	656.3	1.59875
$n_{C'}$	643.8	1.59948
$n_{632.8}$	632.8	1.60017
n_D	589.3	1.60328
n_d	587.6	1.60342
n_e	546.1	1.60718
n_F	486.1	1.61461
$n_{F'}$	480.0	1.61556
n_g	435.8	1.62381
n_h	404.7	1.63176
n_i	365.0	1.64606
$n_{334.1}$	334.1	1.66276
$n_{312.6}$	312.6	
$n_{296.7}$	296.7	
$n_{280.4}$	280.4	
$n_{248.3}$	248.3	

Constants of Dispersion Formula	
B_1	1.31044630
B_2	0.196034260
B_3	0.966129770
C_1	0.00958633048
C_2	0.0457627627
C_3	115.0118830

Constants of Formula for dn/dT	
D_0	2.13E-06
D_1	1.65E-08
D_2	-6.98E-11
E_0	1.02E-06
E_1	6.56E-10
λ_{TK} [μm]	0.208

Temperature Coefficients of the Refractive Index						
[°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	2.5	4.0	5.5	0.4	1.8	3.3
+20/+40	3.0	4.6	6.2	1.6	3.2	4.8
+60/+80	3.1	4.8	6.5	2.0	3.7	5.4

Internal Transmittance τ_i		
λ [nm]	τ_i [10mm]	τ_i [25mm]
2500	0.790	0.550
2325	0.840	0.650
1970	0.940	0.860
1530	0.995	0.987
1060	0.999	0.998
700	0.999	0.997
660	0.998	0.996
620	0.998	0.995
580	0.998	0.995
546	0.998	0.995
500	0.998	0.994
460	0.996	0.991
436	0.996	0.990
420	0.995	0.988
405	0.994	0.985
400	0.993	0.982
390	0.989	0.973
380	0.984	0.960
370	0.971	0.930
365	0.963	0.910
350	0.900	0.760
334	0.620	0.300
320	0.080	0.000
310	0.000	
300		
290		
280		
270		
260		
250		

Color Code	
λ_{80} / λ_5	35/32

Remarks
lead containing glass type

Relative Partial Dispersion	
$P_{s,t}$	0.2346
$P_{C,s}$	0.4925
$P_{d,C}$	0.2946
$P_{e,d}$	0.2371
$P_{g,F}$	0.5795
$P_{i,h}$	0.9015
$P'_{s,t}$	0.2315
$P'_{C,s}$	0.5317
$P'_{d,C'}$	0.2451
$P'_{e,d}$	0.2340
$P'_{g,F'}$	0.5131
$P'_{i,h}$	0.8897

Deviation of Relative Partial Dispersion ΔP from the normal line	
$\Delta P_{C,t}$	0.0017
$\Delta P_{C,s}$	0.0009
$\Delta P_{F,e}$	-0.0001
$\Delta P_{g,F}$	-0.0003
$\Delta P_{i,g}$	-0.0028

Other Properties	
$\alpha_{-30/+70^\circ\text{C}}$ [$10^{-6}/K$]	8.0
$\alpha_{+20/+300^\circ\text{C}}$ [$10^{-6}/K$]	8.9
T_g [°C]	438
T_{10}^{13} [°C]	425
$T_{10}^{7.6}$ [°C]	608
c_p [J/(g·K)]	0.560
λ [W/(m·K)]	0.880
ρ [g/cm ³]	3.47
E [10^3 N/mm ²]	58
μ	0.220
K [10^{-6} mm ² /N]	2.92
$HK_{0.1/20}$	450
HG	3
CR	1
FR	0
SR	1
AR	2.3
PR	2