

F2 620364.360

$n_d = 1.62004$
 $n_e = 1.62408$

$v_d = 36.37$
 $v_e = 36.11$

$n_F - n_C = 0.017050$
 $n_{F'} - n_{C'} = 0.017284$

Refractive Indices		
	λ [nm]	
$n_{2325.4}$	2325.4	1.58465
$n_{1970.1}$	1970.1	1.58958
$n_{1529.6}$	1529.6	1.59513
$n_{1060.0}$	1060.0	1.60190
n_t	1014.0	1.60279
n_s	852.1	1.60671
n_r	706.5	1.61227
n_C	656.3	1.61503
$n_{C'}$	643.8	1.61582
$n_{632.8}$	632.8	1.61656
n_D	589.3	1.61989
n_d	587.6	1.62004
n_e	546.1	1.62408
n_F	486.1	1.63208
$n_{F'}$	480.0	1.63310
n_g	435.8	1.64202
n_h	404.7	1.65064
n_i	365.0	1.66623
$n_{334.1}$	334.1	1.68455
$n_{312.6}$	312.6	
$n_{296.7}$	296.7	
$n_{280.4}$	280.4	
$n_{248.3}$	248.3	

Constants of Dispersion Formula	
B_1	1.345333590
B_2	0.209073176
B_3	0.937357162
C_1	0.009977439
C_2	0.0470450767
C_3	111.88676400

Constants of Formula for dn/dT	
D_0	1.51E-06
D_1	1.56E-08
D_2	-2.78E-11
E_0	9.34E-07
E_1	1.04E-09
λ_{TK} [μm]	0.250

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	2.4	3.9	5.5	0.3	1.6	3.2
+20/+40	2.7	4.4	6.3	1.3	3.0	4.8
+60/+80	3.0	4.8	6.8	1.9	3.7	5.7

Internal Transmittance τ_i		
λ [nm]	τ_i [10mm]	τ_i [25mm]
2500	0.810	0.590
2325	0.860	0.690
1970	0.950	0.880
1530	0.996	0.989
1060	0.999	0.998
700	0.999	0.998
660	0.999	0.997
620	0.999	0.998
580	0.999	0.998
546	0.999	0.998
500	0.999	0.997
460	0.998	0.994
436	0.997	0.993
420	0.996	0.991
405	0.995	0.987
400	0.994	0.985
390	0.991	0.977
380	0.985	0.963
370	0.975	0.940
365	0.968	0.920
350	0.910	0.780
334	0.540	0.210
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	
$P_{s,t}$	0.2301
$P_{C,s}$	0.4882
$P_{d,C}$	0.2938
$P_{e,d}$	0.2370
$P_{g,F}$	0.5828
$P_{i,h}$	0.9142
Relative Partial Dispersion P'	
$P'_{s,t}$	0.2270
$P'_{C,s}$	0.5270
$P'_{d,C'}$	0.2443
$P'_{e,d}$	0.2338
$P'_{g,F'}$	0.5159
$P'_{i,h}$	0.9018

Deviation of Rel. Partial Disp. ΔP from the normal line	
$\Delta P_{C,t}$	0.0008
$\Delta P_{C,s}$	0.0005
$\Delta P_{F,e}$	0.0000
$\Delta P_{g,F}$	0.0002
$\Delta P_{i,g}$	0.0006

Chemical Properties	
CR	1
FR	0
SR	1
AR	2.3
PR	1.3

Other Properties	
$\alpha_{-30/+70^\circ C}$ [$10^{-6}/K$]	8.2
$\alpha_{+20/+300^\circ C}$ [$10^{-6}/K$]	9.2
T_g [°C]	434
T_{10}^{13} [°C]	430
$T_{10}^{7.6}$ [°C]	594
c_p [J/(g*K)]	0.557
λ [W/(m*K)]	0.780
ρ [g/cm ³]	3.60
E [10^3 N/mm ²]	57
μ	0.220
K [10^{-6} mm ² /N]	2.81
$HK_{0.1/20}$	420
HG	2