

**F2**  
**620364.360**

$n_d = 1.62004$	$v_d = 36.37$	$n_F - n_C = 0.017050$
$n_e = 1.62408$	$v_e = 36.11$	$n_{F'} - n_{C'} = 0.017284$

Refractive Indices		
	$\lambda$ [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	

Internal Transmittance $\tau_i$		
$\lambda$ [nm]	$\tau_i$ (10mm)	$\tau_i$ (25mm)
2500	0.809	0.589
2325	0.859	0.685
1970	0.949	0.876
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	0.921
350	0.905	0.780
334	0.537	0.211
320	0.080	
310		
300		
290		
280		
270		
260		
250		

Relative Partial Dispersion	
$P_{s,t}$	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
$P'_{s,t}$	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 Relative Partial Dispersions $\Delta P$ 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

Constants of Dispersion Formula	
$B_1$	1.34533359
$B_2$	0.209073176
$B_3$	0.937357162
$C_1$	0.00997743871
$C_2$	0.0470450767
$C_3$	111.886764

Color Code	
$\lambda_{80}/\lambda_5$	35/32
(* = $\lambda_{70}/\lambda_5$ )	

Remarks	
lead containing glass type	

Constants of Dispersion $dn/dT$	
$D_0$	$1.51 \cdot 10^{-6}$
$D_1$	$1.56 \cdot 10^{-8}$
$D_2$	$-2.78 \cdot 10^{-11}$
$E_0$	$9.34 \cdot 10^{-7}$
$E_1$	$1.04 \cdot 10^{-9}$
$\lambda_{TK} [\mu m]$	0.25

Other Properties	
$\alpha_{-30/+70^\circ C} [10^{-6}/K]$	8.2
$\alpha_{+20/+300^\circ C} [10^{-6}/K]$	9.2
$T_g [^\circ C]$	434
$T_{10}^{13.0} [^\circ C]$	430
$T_{10}^{7.6} [^\circ C]$	594
$c_p [J/(g \cdot K)]$	0.557
$\lambda [W/(m \cdot K)]$	0.780
$\rho [g/cm^3]$	3.60
$E [10^3 N/mm^2]$	57
$\mu$	0.220
$K [10^{-6} mm^2/N]$	2.81
$HK_{0.1/20}$	420
$HG$	2
$CR$	1
$FR$	0
$SR$	1
$AR$	2.3
$PR$	1.3

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	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