

F2HT  
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	

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

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

Temperature Coefficients of 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 $\tau_i$		
$\lambda$ [nm]	$\tau_i$ (10mm)	$\tau_i$ (25mm)
2500	0.874	0.714
2325	0.912	0.795
1970	0.968	0.921
1530	0.998	0.994
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	0.995
436	0.998	0.994
420	0.997	0.994
405	0.997	0.992
400	0.996	0.991
390	0.995	0.988
380	0.993	0.982
370	0.988	0.971
365	0.983	0.957
350	0.927	0.828
334	0.565	0.240
320	0.080	
310		
300		
290		
280		
270		
260		
250		

Color Code	
$\lambda_{80}/\lambda_{5}$	35/32
(* = $\lambda_{70}/\lambda_{5}$ )	

Remarks
lead containing glass type

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

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
$T_{10}^{13.0}$ [°C]	430
$T_{10}^{7.6}$ [°C]	594
$c_p$ [J/(g·K)]	0.557
$\lambda$ [W/(m·K)]	0.780
$\rho$ [g/cm <sup>3</sup> ]	3.60
$E$ [10 <sup>3</sup> N/mm <sup>2</sup> ]	57
$\mu$	0.220
$K$ [10 <sup>-6</sup> mm <sup>2</sup> /N]	2.81
$HK_{0.1/20}$	420
$HG$	2
$CR$	1
$FR$	0
$SR$	1
$AR$	2.3
$PR$	1.3