

SF4
755276.479

$n_d = 1.75520$	$v_d = 27.58$	$n_F - n_C = 0.027383$
$n_e = 1.76167$	$v_e = 27.37$	$n_{F'} - n_{C'} = 0.027829$

Refractive Indices		
	λ [nm]	
$n_{2325.4}$	2325.4	1.70789
$n_{1970.1}$	1970.1	1.71294
$n_{1529.6}$	1529.6	1.71904
$n_{1060.0}$	1060.0	1.72765
n_t	1014.0	1.72888
n_s	852.1	1.73456
n_r	706.5	1.74300
n_C	656.3	1.74730
$n_{C'}$	643.8	1.74853
$n_{632.8}$	632.8	1.74969
n_D	589.3	1.75496
n_d	587.6	1.75520
n_e	546.1	1.76167
n_F	486.1	1.77468
$n_{F'}$	480.0	1.77636
n_g	435.8	1.79121
n_h	404.7	1.80589
n_i	365.0	1.83330
$n_{334.1}$	334.1	
$n_{312.6}$	312.6	
$n_{296.7}$	296.7	
$n_{280.4}$	280.4	
$n_{248.3}$	248.3	

Constants of Dispersion Formula	
B_1	1.61957826
B_2	0.339493189
B_3	1.02566931
C_1	0.0125502104
C_2	0.0544559822
C_3	117.652222

Constants of Dispersion dn/dT	
D_0	$5.60 \cdot 10^{-6}$
D_1	$1.70 \cdot 10^{-8}$
D_2	$-5.27 \cdot 10^{-11}$
E_0	$1.54 \cdot 10^{-6}$
E_1	$1.46 \cdot 10^{-9}$
$\lambda_{TK} [\mu m]$	0.266

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	5.1	8.1	11.8	2.8	5.7	9.4
+20/ +40	5.7	9.2	13.3	4.3	7.7	11.8
+60/ +80	6.0	9.7	14.2	4.9	8.5	13.0

Internal Transmittance τ_i		
λ [nm]	τ_i (10mm)	τ_i (25mm)
2500	0.847	0.660
2325	0.887	0.740
1970	0.963	0.910
1530	0.996	0.989
1060	0.998	0.996
700	0.998	0.996
660	0.998	0.995
620	0.998	0.995
580	0.998	0.996
546	0.998	0.996
500	0.996	0.991
460	0.992	0.980
436	0.987	0.967
420	0.980	0.950
405	0.963	0.910
400	0.954	0.890
390	0.924	0.820
380	0.862	0.690
370	0.727	0.450
365	0.601	0.280
350	0.090	
334		
320		
310		
300		
290		
280		
270		
260		
250		

Color Code	
λ_{80} / λ_5	40/35
(*= λ_{70} / λ_5)	

Remarks
lead containing glass type

Relative Partial Dispersion	
$P_{s,t}$	0.2076
$P_{C,s}$	0.4650
$P_{d,C}$	0.2886
$P_{e,d}$	0.2361
$P_{g,F}$	0.6036
$P_{i,h}$	1.0012
$P'_{s,t}$	0.2042
$P'_{C,s}$	0.5018
$P'_{d,C'}$	0.2398
$P'_{e,d}$	0.2323
$P'_{g,F'}$	0.5337
$P'_{i,h}$	0.9851

Deviation of Relative Partial Dispersions ΔP from the "Normal Line"	
$\Delta P_{C,t}$	-0.0032
$\Delta P_{C,s}$	-0.0022
$\Delta P_{F,e}$	0.0014
$\Delta P_{g,F}$	0.0062
$\Delta P_{i,g}$	0.0443

Other Properties	
$\alpha_{-30/+70^\circ C} [10^{-6} / K]$	8.0
$\alpha_{+20/+300^\circ C} [10^{-6} / K]$	8.9
$T_g [^\circ C]$	420
$T_{10}^{13.0} [^\circ C]$	415
$T_{10}^{7.6} [^\circ C]$	552
$c_p [J/(g \cdot K)]$	0.410
$\lambda [W/(m \cdot K)]$	0.650
$\rho [g/cm^3]$	4.79
$E [10^3 N/mm^2]$	56
μ	0.241
$K [10^{-6} mm^2/N]$	1.36
$HK_{0.1/20}$	390
HG	1
CR	1
FR	2
SR	4.3
AR	2.3
PR	3.3