

SFL6
805254.337

$n_d = 1.80518$	$v_d = 25.39$	$n_F - n_C = 0.031708$
$n_e = 1.81265$	$v_e = 25.19$	$n_{F'} - n_{C'} = 0.032260$

Refractive Indices		
	λ [nm]	
$n_{2325.4}$	2325.4	1.74897
$n_{1970.1}$	1970.1	1.75544
$n_{1529.6}$	1529.6	1.76311
$n_{1060.0}$	1060.0	1.77345
n_t	1014.0	1.77489
n_s	852.1	1.78147
n_r	706.5	1.79116
n_C	656.3	1.79609
$n_{C'}$	643.8	1.79751
$n_{632.8}$	632.8	1.79884
n_D	589.3	1.80491
n_d	587.6	1.80518
n_e	546.1	1.81265
n_F	486.1	1.82780
$n_{F'}$	480.0	1.82977
n_g	435.8	1.84733
n_h	404.7	1.86500
n_i	365.0	
$n_{334.1}$	334.1	
$n_{312.6}$	312.6	
$n_{296.7}$	296.7	
$n_{280.4}$	280.4	
$n_{248.3}$	248.3	

Internal Transmittance τ_i		
λ [nm]	τ_i (10mm)	τ_i (25mm)
2500		
2325	0.930	0.840
1970	0.980	0.950
1530	0.998	0.995
1060	0.995	0.988
700	0.996	0.989
660	0.995	0.988
620	0.993	0.983
580	0.992	0.980
546	0.988	0.970
500	0.976	0.940
460	0.959	0.900
436	0.940	0.860
420	0.920	0.810
405	0.880	0.720
400	0.850	0.670
390	0.770	0.520
380	0.570	0.250
370	0.210	0.020
365		
350		
334		
320		
310		
300		
290		
280		
270		
260		
250		

Relative Partial Dispersion	
$P_{s,t}$	0.2075
$P_{C,s}$	0.4611
$P_{d,C}$	0.2867
$P_{e,d}$	0.2355
$P_{g,F}$	0.6159
$P_{i,h}$	
$P'_{s,t}$	0.2040
$P'_{C',s}$	0.4970
$P'_{d,C'}$	0.2380
$P'_{e,d}$	0.2315
$P'_{g,F'}$	0.5444
$P'_{i,h}$	

Deviation of Relative Partial Dispersions ΔP from the "Normal Line"	
$\Delta P_{C,t}$	0.0032
$\Delta P_{C,s}$	-0.0010
$\Delta P_{F,e}$	0.0027
$\Delta P_{g,F}$	0.0148
$\Delta P_{i,g}$	

Constants of Dispersion Formula	
B_1	1.78922056
B_2	0.328427448
B_3	2.01639441
C_1	0.0135163537
C_2	0.0622729599
C_3	168.014713

Color Code	
λ_{80}/λ_5	45/37
(*= λ_{70}/λ_5)	

Remarks
inquiry glass

Constants of Dispersion dn/dT	
D_0	$-5.26 \cdot 10^{-6}$
D_1	$7.41 \cdot 10^{-9}$
D_2	$-1.89 \cdot 10^{-11}$
E_0	$1.02 \cdot 10^{-6}$
E_1	$1.62 \cdot 10^{-9}$
$\lambda_{TK} [\mu m]$	0.288

Other Properties	
$\alpha_{-30/+70^\circ C} [10^{-6}/K]$	9.0
$\alpha_{+20/+300^\circ C} [10^{-6}/K]$	10.3
$T_g [^\circ C]$	585
$T_{10}^{13.0} [^\circ C]$	592
$T_{10}^{7.6} [^\circ C]$	0
$c_p [J/(g \cdot K)]$	
$\lambda [W/(m \cdot K)]$	
$\rho [g/cm^3]$	3.37
$E [10^3 N/mm^2]$	93
μ	0.260
$K [10^{-6} mm^2/N]$	2.79
$HK_{0.1/20}$	570
HG	
CR	1
FR	0
SR	2
AR	1
PR	1

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	-0.8	1.1	3.8	-3.2	-1.4	1.2
+20/ +40	-1.0	1.4	4.7	-2.5	-0.1	3.1
+60/ +80	-0.9	1.8	5.4	-2.1	0.5	4.2