

N-SF56 785261.328

$n_d = 1.78470$	$v_d = 26.10$	$n_F - n_C = 0.030071$
$n_e = 1.79179$	$v_e = 25.89$	$n_{F'} - n_{C'} = 0.030587$

Refractive Indices		
	λ [nm]	
$n_{2325.4}$	2325.4	1.73010
$n_{1970.1}$	1970.1	1.73664
$n_{1529.6}$	1529.6	1.74431
$n_{1060.0}$	1060.0	1.75442
n_t	1014.0	1.75581
n_s	852.1	1.76213
n_r	706.5	1.77137
n_C	656.3	1.77607
$n_{C'}$	643.8	1.77741
$n_{632.8}$	632.8	1.77868
n_D	589.3	1.78444
n_d	587.6	1.78470
n_e	546.1	1.79179
n_F	486.1	1.80614
$n_{F'}$	480.0	1.80800
n_g	435.8	1.82460
n_h	404.7	1.84126
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	0.810	0.590
2325	0.857	0.680
1970	0.959	0.900
1530	0.992	0.981
1060	0.998	0.996
700	0.994	0.986
660	0.992	0.981
620	0.992	0.981
580	0.993	0.983
546	0.990	0.976
500	0.980	0.950
460	0.963	0.910
436	0.941	0.860
420	0.905	0.780
405	0.837	0.640
400	0.799	0.570
390	0.672	0.370
380	0.442	0.130
370	0.109	
365	0.020	
350		
334		
320		
310		
300		
290		
280		
270		
260		
250		

Relative Partial Dispersion	
$P_{s,t}$	0.2101
$P_{C,s}$	0.4635
$P_{d,C}$	0.2872
$P_{e,d}$	0.2356
$P_{g,F}$	0.6139
$P_{i,h}$	
$P'_{s,t}$	0.2065
$P'_{C',s}$	0.4996
$P'_{d,C'}$	0.2384
$P'_{e,d}$	0.2316
$P'_{g,F'}$	0.5427
$P'_{i,h}$	

Deviation of Relative Partial Dispersions ΔP from the "Normal Line"	
$\Delta P_{C,t}$	0.0048
$\Delta P_{C,s}$	-0.0002
$\Delta P_{F,e}$	0.0026
$\Delta P_{g,F}$	0.0140
$\Delta P_{i,g}$	

Constants of Dispersion Formula	
B_1	1.73562085
B_2	0.317487012
B_3	1.95398203
C_1	0.0129624742
C_2	0.0612884288
C_3	161.559441

Constants of Dispersion dn/dT	
D_0	$-4.13 \cdot 10^{-6}$
D_1	$7.65 \cdot 10^{-9}$
D_2	$-1.12 \cdot 10^{-11}$
E_0	$9.90 \cdot 10^{-7}$
E_1	$1.57 \cdot 10^{-9}$
$\lambda_{TK} [\mu m]$	0.287

Color Code	
λ_{80}/λ_5	44/37
(*= λ_{70}/λ_5)	

Remarks	
inquiry glass	

Other Properties	
$\alpha_{-30/+70^\circ C} [10^{-6}/K]$	8.7
$\alpha_{+20/+300^\circ C} [10^{-6}/K]$	10.0
$T_g [^\circ C]$	592
$T_{10}^{13.0} [^\circ C]$	585
$T_{10}^{7.6} [^\circ C]$	691
$c_p [J/(g \cdot K)]$	0.700
$\lambda [W/(m \cdot K)]$	0.940
$\rho [g/cm^3]$	3.28
$E [10^3 N/mm^2]$	91
μ	0.255
$K [10^{-6} mm^2/N]$	2.87
$HK_{0.1/20}$	560
HG	5
CR	1
FR	0
SR	1
AR	1.3
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	-0.1	1.7	4.3	-2.5	-0.7	1.8
+20/ +40	-0.3	2.0	5.1	-1.8	0.5	3.5
+60/ +80	-0.2	2.4	5.9	-1.4	1.2	4.6