H-ZF52A	847238	n_d = 1.84666	υ_d = 23.78	$n_F - n_C$ = 0.035597
		n_e = 1.85505	υ_e = 23.60	$n_{F'} - n_{C'}$ = 0.036234

折射率 Refractive Index

	λ（nm）	
$n_{2325.42}$	2325.42	
$n_{1970.09}$	1970.09	
$n_{1529.58}$	1529.58	
$n_{1060.0}$	1060.0	
n_t	1013.98	1.81297
n_s	852.11	1.82020
n_r	706.52	1.83098
n_C	656.27	1.83649
$n_{C'}$	643.85	1.83807
n_{He-Ne}	632.8	1.83956
n_D	589.29	1.84636
n_d	587.56	1.84666
n_e	546.07	1.85505
n_F	486.13	1.87209
$n_{F'}$	479.99	1.87430
n_g	435.83	1.89417
n_h	404.66	1.91428
n_i	365.01	
$n_{313.18}$	313.18	
$n_{302.15}$	302.15	

色散公式常数 Constants of Dispersion Formula

A_0	3.2506862E+00
A_1	-1.3394222E-02
A_2	4.8362591E-02
A_3	3.1444275E-03
A_4	-1.9707367E-04
A_5	3.4764568E-05

折射率温度系数常数 Constants of dn/dt

D_0	-6.90E-06
D_1	1.71E-08
D_2	-4.57E-11
E_0	1.16E-06
E_1	8.99E-10
λ_{TK}(μm)	0.285

相对部分色散 Relative Partial Dispersions

$P_{s,t}$	0.2031	$P'_{s,t}$	0.1995
$P_{C,s}$	0.4576	$P'_{C',s}$	0.4932
$P_{d,C}$	0.2857	$P'_{d,C'}$	0.2372
$P_{e,d}$	0.2356	$P'_{e,d}$	0.2314
$P_{g,F}$	0.6203	$P'_{g,F'}$	0.5484
$P_{i,h}$		$P'_{i,h}$	

异常色散 Abnormal Dispersions

$\Delta P_{C,t}$	0.0024	$\Delta P_{C,s}$	-0.0003
$\Delta P_{F,e}$	0.0022	$\Delta P_{g,F}$	0.0151

着色度 Color Code

λ_{80}/λ_5	
λ_{70}/λ_5	405/370

热性质 Thermal Properties

T_g (℃)	623
T_s (℃)	649
$T_{10}^{14.5}$ (℃)	572
T_{10}^{13} (℃)	605
$T_{10}^{7.6}$(℃)	709
$\alpha_{-30/70℃}$(10^{-7}/K)	84
$\alpha_{100/300℃}$(10^{-7}/K)	104
λ[W/(m·K)]	

化学性质 Chemical Properties

	Grade
D_W	1
D_A	1
CR	1
RC(S)	2
RA(S)	1

内部透过率 Internal Transmittance τ

λ（nm）	τ (5mm)	τ (10mm)
2400	0.947	0.896
2200	0.971	0.943
2000	0.985	0.970
1800	0.992	0.985
1600	0.999	0.998
1400	0.999	0.998
1200	0.999	0.998
1060	0.999	0.998
1000	0.999	0.998
950	0.999	0.998
900	0.999	0.998
850	0.999	0.998
800	0.999	0.998
700	0.998	0.996
650	0.997	0.994
600	0.996	0.993
550	0.994	0.989
500	0.987	0.975
480	0.983	0.966
460	0.976	0.953
440	0.963	0.928
420	0.934	0.872
400	0.860	0.740
390	0.770	0.590
380	0.570	0.330
370	0.220	0.050
360		
350		
340		
330		
320		
310		
300		
290		
280		

折射率温度系数 Temperature Coefficients of Refractive Index

温度范围（℃） Range of Temperature	dn/dt relative(10^{-6}/℃)					
	t	C′	d	e	F′	g
-60～-40						
-40～-20	-2.6	-1.0	-0.7	-0.3	1.3	3.1
-20～0	-2.4	-0.9	-0.5	0.3	1.9	3.6
0～20	-2.0	-0.8	-0.3	0.8	2.3	4.1
20～40	-1.8	-0.4	0.1	1.1	2.5	4.4
40～60	-1.4	-0.3	0.3	1.3	2.9	5.0
60～80	-1.2	-0.1	0.7	1.4	3.1	5.8
80～100						
100～120						
120～140						

机械性质 Mechanical Properties

H_K (10^7Pa)	550
F_A	213
E (10^7Pa)	9671
G (10^7Pa)	3821
μ	0.266
B (10^{-12}/Pa)	2.74

其他性质 Other Properties

ρ (g/cm^3)	3.52

备注 Remarks

CDGM