H-ZF72A	923189	n_d = 1.922860	υ_d = 18.90	$n_F - n_C$ = 0.048839
		n_e = 1.934290	υ_e = 18.74	$n_{F'} - n_{C'}$ = 0.049858

折射率 Refractive Index

	λ（nm）	
$n_{2325.42}$	2325.42	1.842045
$n_{1970.09}$	1970.09	1.850919
$n_{1529.58}$	1529.58	1.861496
$n_{1060.0}$	1060.0	1.876055
n_t	1013.98	1.878116
n_s	852.11	1.887614
n_r	706.52	1.901826
n_C	656.27	1.909165
$n_{C'}$	643.85	1.911278
n_{He-Ne}	632.8	1.913275
n_D	589.29	1.922445
n_d	587.56	1.922860
n_e	546.07	1.934290
n_F	486.13	1.958004
$n_{F'}$	479.99	1.961136
n_g	435.83	1.989743
n_h	404.66	2.019780
n_i	365.01	
$n_{313.18}$	313.18	
$n_{302.15}$	302.15	

色散公式常数 Constants of Dispersion Formula

K_1	4.70478653E-01
L_1	7.36024509E-02
K_2	2.55040233E+00
L_2	1.49306621E+02
K_3	2.00593441E+00
L_3	1.62999226E-02

折射率温度系数常数 Constants of dn/dt

D_0	-5.63E-06
D_1	1.59E-08
D_2	-4.96E-11
E_0	1.13E-06
E_1	1.73E-09
λ_{TK}(μm)	0.328

相对部分色散 Relative Partial Dispersions

$P_{s,t}$	0.1945	$P'_{s,t}$	0.1905
$P_{C,s}$	0.4413	$P'_{C',s}$	0.4746
$P_{d,C}$	0.2804	$P'_{d,C'}$	0.2323
$P_{e,d}$	0.2340	$P'_{e,d}$	0.2293
$P_{g,F}$	0.6499	$P'_{g,F'}$	0.5738
$P_{i,h}$		$P'_{i,h}$	

异常色散 Abnormal Dispersions

$\Delta P_{C,t}$	0.0005	$\Delta P_{C,s}$	-0.0051
$\Delta P_{F,e}$	0.0064	$\Delta P_{g,F}$	0.0363

着色度 Color Code

λ_{80}/λ_5	
λ_{70}/λ_5	435/390

热性质 Thermal Properties

T_g (℃)	667
T_s (℃)	697
$T_{10}^{14.5}$ (℃)	614
T_{10}^{13} (℃)	649
$T_{10}^{7.6}$(℃)	749
$\alpha_{-30/70℃}$(10^{-7}/K)	67
$\alpha_{100/300℃}$(10^{-7}/K)	84
λ[W/(m·K)]	

化学性质 Chemical Properties

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

内部透过率 Internal Transmittance τ

λ（nm）	τ (5mm)	τ (10mm)
2400	0.963	0.927
2200	0.978	0.956
2000	0.988	0.976
1800	0.993	0.986
1600	0.997	0.995
1400	0.999	0.998
1200	0.999	0.998
1060	0.999	0.998
1000	0.998	0.997
950	0.998	0.997
900	0.998	0.997
850	0.998	0.997
800	0.998	0.996
700	0.997	0.995
650	0.997	0.994
600	0.996	0.992
550	0.991	0.982
500	0.977	0.955
480	0.967	0.935
460	0.950	0.903
440	0.921	0.849
420	0.860	0.740
400	0.594	0.353
390	0.230	0.053
380		
370		
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	-2.5	-0.8	-0.2	0.5	2.2	5.2
-40～-20	-2.1	-0.5	0.2	0.8	2.8	5.8
-20～0	-1.7	-0.2	0.6	1.5	3.6	6.4
0～20	-1.2	0.2	0.9	1.8	4.1	7.1
20～40	-0.8	0.6	1.4	2.1	4.8	8.4
40～60	-0.5	0.8	1.7	2.6	5.3	9.1
60～80	-1.0	1.0	2.0	3.1	5.9	9.8
80～100	-0.7	1.3	2.2	3.3	6.4	10.5
100～120	-0.9	1.6	2.4	3.6	6.7	11.0
120～140	-0.5	1.8	2.7	4.0	7.1	11.6

机械性质 Mechanical Properties

H_K (10^7Pa)	484
F_A	193
E (10^7Pa)	10223
G (10^7Pa)	4012
μ	0.274
B (10^{-12}/Pa)	3.19

其他性质 Other Properties

ρ (g/cm^3)	3.57

备注 Remarks

CDGM