H-ZF71	808227	n_d = 1.808100	υ_d = 22.70	$n_F - n_C$ = 0.035602
		n_e = 1.816463	υ_e = 22.51	$n_{F'} - n_{C'}$ = 0.036272

折射率 Refractive Index

	λ（nm）	
$n_{2325.42}$	2325.42	1.744473
$n_{1970.09}$	1970.09	1.752179
$n_{1529.58}$	1529.58	1.761164
$n_{1060.0}$	1060.0	1.772900
n_t	1013.98	1.774506
n_s	852.11	1.781803
n_r	706.52	1.792514
n_C	656.27	1.797983
$n_{C'}$	643.85	1.799551
n_{He-Ne}	632.8	1.801031
n_D	589.29	1.807795
n_d	587.56	1.808100
n_e	546.07	1.816463
n_F	486.13	1.833585
$n_{F'}$	479.99	1.835823
n_g	435.83	1.855996
n_h	404.66	1.876627
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	4.06804868E-01
L_1	6.45152130E-02
K_2	1.70831097E+00
L_2	1.27703237E-02
K_3	2.36137303E+00
L_3	1.63275585E+02

折射率温度系数常数 Constants of dn/dt

D_0	-9.66E-06
D_1	1.15E-08
D_2	-5.06E-11
E_0	9.75E-07
E_1	1.26E-09
λ_{TK}(μm)	0.313

相对部分色散 Relative Partial Dispersions

$P_{s,t}$	0.2050	$P'_{s,t}$	0.2012
$P_{C,s}$	0.4545	$P'_{C',s}$	0.4893
$P_{d,C}$	0.2842	$P'_{d,C'}$	0.2357
$P_{e,d}$	0.2349	$P'_{e,d}$	0.2306
$P_{g,F}$	0.6295	$P'_{g,F'}$	0.5562
$P_{i,h}$		$P'_{i,h}$	

异常色散 Abnormal Dispersions

$\Delta P_{C,t}$	0.0063	$\Delta P_{C,s}$	-0.0009
$\Delta P_{F,e}$	0.0038	$\Delta P_{g,F}$	0.0224

着色度 Color Code

λ_{80}/λ_5	450/370
λ_{70}/λ_5	

热性质 Thermal Properties

T_g (℃)	566
T_s (℃)	611
$T_{10}^{14.5}$ (℃)	522
T_{10}^{13} (℃)	555
$T_{10}^{7.6}$(℃)	663
$\alpha_{-30/70℃}$(10^{-7}/K)	93
$\alpha_{100/300℃}$(10^{-7}/K)	105
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	0.936	0.876
2200	0.966	0.934
2000	0.987	0.975
1800	0.993	0.986
1600	0.997	0.994
1400	0.998	0.996
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	0.998	0.996
700	0.997	0.995
650	0.997	0.994
600	0.996	0.993
550	0.994	0.989
500	0.987	0.974
480	0.983	0.967
460	0.978	0.957
440	0.970	0.940
420	0.955	0.912
400	0.907	0.823
390	0.815	0.665
380	0.547	0.299
370	0.114	0.013
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	-3.9	-2.9	-2.6	-2.1	-0.8	0.7
-40～-20	-3.9	-2.8	-2.4	-1.8	-0.5	1.2
-20～0	-3.8	-2.7	-2.2	-1.6	-0.3	1.7
0～20	-3.7	-2.5	-2.0	-1.5	0.2	2.1
20～40	-3.6	-2.4	-1.9	-1.2	0.5	2.5
40～60	-3.5	-2.3	-1.7	-1.0	0.6	3.0
60～80	-3.3	-2.1	-1.4	-0.9	1.1	3.4
80～100	-3.4	-2.1	-1.4	-0.9	1.1	3.5
100～120	-3.6	-2.2	-1.4	-0.9	1.1	3.9
120～140	-4.0	-2.3	-1.7	-0.9	1.1	4.0

机械性质 Mechanical Properties

H_K (10^7Pa)	428
F_A	275
E (10^7Pa)	8537
G (10^7Pa)	3398
μ	0.256
B (10^{-12}/Pa)	3.48

其他性质 Other Properties

ρ (g/cm^3)	3.30

备注 Remarks

CDGM