H-ZF13	785257	n_d = 1.784720	υ_d = 25.72	$n_F - n_C$ = 0.030510
		n_e = 1.791906	υ_e = 25.51	$n_{F'} - n_{C'}$ = 0.031041

折射率 Refractive Index

	λ（nm）	
$n_{2325.42}$	2325.42	1.729717
$n_{1970.09}$	1970.09	1.736237
$n_{1529.58}$	1529.58	1.743909
$n_{1060.0}$	1060.0	1.754085
n_t	1013.98	1.755488
n_s	852.11	1.761868
n_r	706.52	1.771216
n_C	656.27	1.775970
$n_{C'}$	643.85	1.777330
n_{He-Ne}	632.8	1.778613
n_D	589.29	1.784457
n_d	587.56	1.784720
n_e	546.07	1.791906
n_F	486.13	1.806480
$n_{F'}$	479.99	1.808371
n_g	435.83	1.825266
n_h	404.66	1.842268
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	1.73521591E+00
L_1	1.31087904E-02
K_2	3.16277446E-01
L_2	6.21421663E-02
K_3	2.16384634E+00
L_3	1.78845558E+02

折射率温度系数常数 Constants of dn/dt

D_0	-5.40E-06
D_1	1.34E-08
D_2	-3.56E-11
E_0	1.01E-06
E_1	1.25E-09
λ_{TK}(μm)	0.291

相对部分色散 Relative Partial Dispersions

$P_{s,t}$	0.2091	$P'_{s,t}$	0.2055
$P_{C,s}$	0.4622	$P'_{C',s}$	0.4981
$P_{d,C}$	0.2868	$P'_{d,C'}$	0.2381
$P_{e,d}$	0.2355	$P'_{e,d}$	0.2315
$P_{g,F}$	0.6157	$P'_{g,F'}$	0.5443
$P_{i,h}$		$P'_{i,h}$	

异常色散 Abnormal Dispersions

$\Delta P_{C,t}$	0.0039	$\Delta P_{C,s}$	-0.0003
$\Delta P_{F,e}$	0.0022	$\Delta P_{g,F}$	0.0138

着色度 Color Code

λ_{80}/λ_5	425/370
λ_{70}/λ_5	

热性质 Thermal Properties

T_g (℃)	613
T_s (℃)	646
$T_{10}^{14.5}$ (℃)	556
T_{10}^{13} (℃)	593
$T_{10}^{7.6}$(℃)	707
$\alpha_{-30/70℃}$(10^{-7}/K)	86
$\alpha_{100/300℃}$(10^{-7}/K)	106
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	0.953	0.909
2200	0.972	0.944
2000	0.987	0.974
1800	0.993	0.987
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	0.995
600	0.997	0.994
550	0.996	0.992
500	0.991	0.983
480	0.989	0.978
460	0.985	0.971
440	0.978	0.956
420	0.959	0.919
400	0.900	0.810
390	0.810	0.650
380	0.620	0.380
370	0.270	0.070
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	-1.7	-0.5	-0.1	0.3	1.3	2.8
-40～-20	-1.4	-0.1	0.2	0.7	2.0	3.5
-20～0	-1.0	0.0	0.4	1.0	2.3	3.8
0～20	-0.9	0.1	0.6	1.2	2.5	4.1
20～40	-0.7	0.3	0.8	1.5	2.8	4.6
40～60	-0.7	0.4	1.0	1.6	3.1	4.8
60～80	-0.7	0.5	1.4	1.8	3.3	5.6
80～100	-0.7	0.9	1.5	1.8	3.4	5.6
100～120	-0.7	1.0	1.5	2.2	4.1	6.2
120～140	-0.6	1.1	1.6	2.4	4.2	6.3

机械性质 Mechanical Properties

H_K (10^7Pa)	544
F_A	187
E (10^7Pa)	9196
G (10^7Pa)	3675
μ	0.251
B (10^{-12}/Pa)	2.73

其他性质 Other Properties

ρ (g/cm^3)	3.25

备注 Remarks

CDGM