H-ZF5	740283	n_d = 1.740000	υ_d = 28.30	$n_F - n_C$ = 0.026152
		n_e = 1.746169	υ_e = 28.07	$n_{F'} - n_{C'}$ = 0.026582

折射率 Refractive Index

	λ（nm）	
$n_{2325.42}$	2325.42	1.690701
$n_{1970.09}$	1970.09	1.696916
$n_{1529.58}$	1529.58	1.704088
$n_{1060.0}$	1060.0	1.713301
n_t	1013.98	1.714548
n_s	852.11	1.720174
n_r	706.52	1.728331
n_C	656.27	1.732452
$n_{C'}$	643.85	1.733628
n_{He-Ne}	632.8	1.734736
n_D	589.29	1.739774
n_d	587.56	1.740000
n_e	546.07	1.746169
n_F	486.13	1.758604
$n_{F'}$	479.99	1.760210
n_g	435.83	1.774502
n_h	404.66	1.788780
n_i	365.01	1.816050
$n_{313.18}$	313.18	
$n_{302.15}$	302.15	

色散公式常数 Constants of Dispersion Formula

K_1	1.70024855E+00
L_1	1.33277515E-02
K_2	1.36322884E+00
L_2	1.22333810E+02
K_3	2.14513422E-01
L_3	6.35762871E-02

折射率温度系数常数 Constants of dn/dt

D_0	-4.09E-06
D_1	1.23E-08
D_2	-2.03E-11
E_0	7.19E-07
E_1	1.12E-09
λ_{TK}(μm)	0.315

相对部分色散 Relative Partial Dispersions

$P_{s,t}$	0.2151	$P'_{s,t}$	0.2116
$P_{C,s}$	0.4695	$P'_{C',s}$	0.5061
$P_{d,C}$	0.2886	$P'_{d,C'}$	0.2397
$P_{e,d}$	0.2359	$P'_{e,d}$	0.2321
$P_{g,F}$	0.6079	$P'_{g,F'}$	0.5377
$P_{i,h}$	1.0428	$P'_{i,h}$	1.0259

异常色散 Abnormal Dispersions

$\Delta P_{C,t}$	0.0051	$\Delta P_{C,s}$	0.0009
$\Delta P_{F,e}$	0.0014	$\Delta P_{g,F}$	0.0104

着色度 Color Code

λ_{80}/λ_5	410/360
λ_{70}/λ_5	

热性质 Thermal Properties

T_g (℃)	612
T_s (℃)	637
$T_{10}^{14.5}$ (℃)	550
T_{10}^{13} (℃)	583
$T_{10}^{7.6}$(℃)	703
$\alpha_{-30/70℃}$(10^{-7}/K)	89
$\alpha_{100/300℃}$(10^{-7}/K)	108
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	0.906	0.820
2200	0.940	0.884
2000	0.971	0.942
1800	0.983	0.966
1600	0.994	0.988
1400	0.996	0.993
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	0.997
700	0.998	0.996
650	0.997	0.995
600	0.996	0.993
550	0.996	0.993
500	0.993	0.987
480	0.991	0.982
460	0.988	0.976
440	0.982	0.964
420	0.971	0.942
400	0.935	0.875
390	0.885	0.783
380	0.763	0.582
370	0.468	0.219
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	-1.5	-0.9	0.3	1.1	1.4	3.1
-20～0	-0.1	0.8	1.2	1.9	2.1	3.6
0～20	-0.2	0.7	0.8	1.1	2.3	3.8
20～40	-0.3	0.6	0.8	1.2	2.3	4.2
40～60	0.0	0.6	1.0	1.3	2.7	4.3
60～80	-0.1	1.5	1.9	2.3	3.9	5.4
80～100						
100～120						
120～140						

机械性质 Mechanical Properties

H_K (10^7Pa)	563
F_A	184
E (10^7Pa)	9061
G (10^7Pa)	3604
μ	0.257
B (10^{-12}/Pa)	2.52

其他性质 Other Properties

ρ (g/cm^3)	3.16

备注 Remarks

CDGM