H-ZF52	847238	n_d = 1.846660	υ_d = 23.78	$n_F - n_C$ = 0.035597
		n_e = 1.855037	υ_e = 23.60	$n_{F'} - n_{C'}$ = 0.036238

折射率 Refractive Index

	λ（nm）	
$n_{2325.42}$	2325.42	1.785225
$n_{1970.09}$	1970.09	1.792032
$n_{1529.58}$	1529.58	1.800181
$n_{1060.0}$	1060.0	1.811397
n_t	1013.98	1.812979
n_s	852.11	1.820237
n_r	706.52	1.830994
n_C	656.27	1.836496
$n_{C'}$	643.85	1.838073
n_{He-Ne}	632.8	1.839561
n_D	589.29	1.846354
n_d	587.56	1.846660
n_e	546.07	1.855037
n_F	486.13	1.872093
$n_{F'}$	479.99	1.874311
n_g	435.83	1.894189
n_h	404.66	1.914282
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	4.09982615E-01
L_1	6.21421199E-02
K_2	2.37517176E+00
L_2	1.85055134E+02
K_3	1.83913582E+00
L_3	1.36093459E-02

折射率温度系数常数 Constants of dn/dt

D_0	-6.18E-06
D_1	1.63E-08
D_2	-4.50E-11
E_0	1.12E-06
E_1	1.19E-09
λ_{TK}(μm)	0.291

相对部分色散 Relative Partial Dispersions

$P_{s,t}$	0.2039	$P'_{s,t}$	0.2003
$P_{C,s}$	0.4568	$P'_{C',s}$	0.4922
$P_{d,C}$	0.2855	$P'_{d,C'}$	0.2370
$P_{e,d}$	0.2353	$P'_{e,d}$	0.2312
$P_{g,F}$	0.6207	$P'_{g,F'}$	0.5485
$P_{i,h}$		$P'_{i,h}$	

异常色散 Abnormal Dispersions

$\Delta P_{C,t}$	0.0023	$\Delta P_{C,s}$	-0.0012
$\Delta P_{F,e}$	0.0026	$\Delta P_{g,F}$	0.0155

着色度 Color Code

λ_{80}/λ_5	
λ_{70}/λ_5	410/370

热性质 Thermal Properties

T_g (℃)	626
T_s (℃)	653
$T_{10}^{14.5}$ (℃)	572
T_{10}^{13} (℃)	605
$T_{10}^{7.6}$(℃)	711
$\alpha_{-30/70℃}$(10^{-7}/K)	88
$\alpha_{100/300℃}$(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)	2
RA(S)	1

内部透过率 Internal Transmittance τ

λ（nm）	τ (5mm)	τ (10mm)
2400	0.943	0.890
2200	0.969	0.939
2000	0.983	0.966
1800	0.989	0.979
1600	0.996	0.992
1400	0.997	0.995
1200	0.999	0.998
1060	0.998	0.997
1000	0.998	0.997
950	0.998	0.997
900	0.998	0.997
850	0.998	0.997
800	0.996	0.994
700	0.995	0.991
650	0.995	0.990
600	0.995	0.991
550	0.993	0.987
500	0.986	0.973
480	0.982	0.964
460	0.976	0.953
440	0.965	0.931
420	0.947	0.896
400	0.888	0.789
390	0.813	0.661
380	0.643	0.413
370	0.300	0.090
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	-2.1	-0.7	-0.3	0.1	1.6	3.1
-40～-20	-2.0	-0.7	-0.1	0.4	1.9	3.3
-20～0	-1.9	-0.5	0.0	0.6	2.0	4.1
0～20	-1.9	-0.4	0.1	0.7	2.5	4.5
20～40	-1.4	0.1	0.6	1.5	3.0	5.2
40～60	-1.1	0.3	1.0	1.8	3.4	5.5
60～80	-1.0	0.6	1.0	2.0	3.5	5.8
80～100	-0.9	0.6	1.2	2.1	3.9	6.4
100～120	-0.9	0.7	1.4	2.1	4.1	7.0
120～140	-0.8	0.7	1.5	2.2	4.5	7.3

机械性质 Mechanical Properties

H_K (10^7Pa)	555
F_A	185
E (10^7Pa)	9478
G (10^7Pa)	3742
μ	0.266
B (10^{-12}/Pa)	2.71

其他性质 Other Properties

ρ (g/cm^3)	3.51

备注 Remarks

CDGM