H-ZF3	717295	n_d = 1.717360	υ_d = 29.50	$n_F - n_C$ = 0.024318
		n_e = 1.723100	υ_e = 29.26	$n_{F'} - n_{C'}$ = 0.024709

折射率 Refractive Index

	λ（nm）	
$n_{2325.42}$	2325.42	1.670569
$n_{1970.09}$	1970.09	1.676619
$n_{1529.58}$	1529.58	1.683564
$n_{1060.0}$	1060.0	1.692361
n_t	1013.98	1.693540
n_s	852.11	1.698837
n_r	706.52	1.706476
n_C	656.27	1.710324
$n_{C'}$	643.85	1.711422
n_{He-Ne}	632.8	1.712455
n_D	589.29	1.717150
n_d	587.56	1.717360
n_e	546.07	1.723100
n_F	486.13	1.734642
$n_{F'}$	479.99	1.736131
n_g	435.83	1.749348
n_h	404.66	1.762502
n_i	365.01	1.787465
$n_{313.18}$	313.18	
$n_{302.15}$	302.15	

色散公式常数 Constants of Dispersion Formula

K_1	2.03624748E-01
L_1	6.20712732E-02
K_2	1.64202576E+00
L_2	1.27139992E-02
K_3	1.38768085E+00
L_3	1.28254467E+02

折射率温度系数常数 Constants of dn/dt

D_0	-4.82E-06
D_1	1.32E-08
D_2	-3.85E-11
E_0	9.08E-07
E_1	1.03E-09
λ_{TK}(μm)	0.282

相对部分色散 Relative Partial Dispersions

$P_{s,t}$	0.2178	$P'_{s,t}$	0.2144
$P_{C,s}$	0.4724	$P'_{C',s}$	0.5093
$P_{d,C}$	0.2893	$P'_{d,C'}$	0.2403
$P_{e,d}$	0.2360	$P'_{e,d}$	0.2323
$P_{g,F}$	0.6047	$P'_{g,F'}$	0.5349
$P_{i,h}$	1.0265	$P'_{i,h}$	1.0103

异常色散 Abnormal Dispersions

$\Delta P_{C,t}$	0.0050	$\Delta P_{C,s}$	0.0009
$\Delta P_{F,e}$	0.0012	$\Delta P_{g,F}$	0.0093

着色度 Color Code

λ_{80}/λ_5	400/360
λ_{70}/λ_5	

热性质 Thermal Properties

T_g (℃)	591
T_s (℃)	628
$T_{10}^{14.5}$ (℃)	531
T_{10}^{13} (℃)	566
$T_{10}^{7.6}$(℃)	683
$\alpha_{-30/70℃}$(10^{-7}/K)	90
$\alpha_{100/300℃}$(10^{-7}/K)	112
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	0.900	0.810
2200	0.933	0.871
2000	0.967	0.935
1800	0.981	0.963
1600	0.994	0.988
1400	0.996	0.992
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	0.997
700	0.998	0.996
650	0.998	0.996
600	0.997	0.994
550	0.996	0.993
500	0.994	0.989
480	0.993	0.986
460	0.990	0.981
440	0.985	0.971
420	0.976	0.953
400	0.944	0.892
390	0.899	0.809
380	0.793	0.629
370	0.530	0.281
360	0.141	0.020
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	-0.9	-0.1	0.2	0.7	1.6	2.8
-40～-20	-0.9	-0.1	0.2	0.7	1.8	2.8
-20～0	-0.7	0.0	0.6	0.9	1.9	3.2
0～20	-0.5	0.4	0.9	1.1	2.2	3.6
20～40	-0.5	0.6	0.9	1.3	2.5	3.8
40～60	-0.4	0.6	1.0	1.6	2.7	4.1
60～80	-0.3	0.7	1.1	1.6	2.9	4.2
80～100	-0.3	0.8	1.3	1.8	3.1	4.5
100～120	-0.3	0.8	1.4	1.9	3.3	4.8
120～140	-0.3	0.8	1.5	1.9	3.4	5.2

机械性质 Mechanical Properties

H_K (10^7Pa)	520
F_A	189
E (10^7Pa)	8826
G (10^7Pa)	3518
μ	0.254
B (10^{-12}/Pa)	2.50

其他性质 Other Properties

ρ (g/cm^3)	3.06

备注 Remarks

CDGM