H-ZF50	741278	n_d = 1.740770	υ_d = 27.76	$n_F - n_C$ = 0.026685
		n_e = 1.747063	υ_e = 27.54	$n_{F'} - n_{C'}$ = 0.027127

折射率 Refractive Index

	λ（nm）	
$n_{2325.42}$	2325.42	1.690456
$n_{1970.09}$	1970.09	1.696824
$n_{1529.58}$	1529.58	1.704161
$n_{1060.0}$	1060.0	1.713564
n_t	1013.98	1.714835
n_s	852.11	1.720567
n_r	706.52	1.728876
n_C	656.27	1.733075
$n_{C'}$	643.85	1.734274
n_{He-Ne}	632.8	1.735403
n_D	589.29	1.740539
n_d	587.56	1.740770
n_e	546.07	1.747063
n_F	486.13	1.759760
$n_{F'}$	479.99	1.761401
n_g	435.83	1.776021
n_h	404.66	1.790657
n_i	365.01	1.818709
$n_{313.18}$	313.18	
$n_{302.15}$	302.15	

色散公式常数 Constants of Dispersion Formula

K_1	1.38419227E+00
L_1	1.21210226E+02
K_2	2.16862697E-01
L_2	6.42534343E-02
K_3	1.69855074E+00
L_3	1.35195855E-02

折射率温度系数常数 Constants of dn/dt

D_0	-4.21E-06
D_1	1.99E-08
D_2	-3.00E-11
E_0	8.92E-07
E_1	3.64E-10
λ_{TK}(μm)	0.294

相对部分色散 Relative Partial Dispersions

$P_{s,t}$	0.2148	$P'_{s,t}$	0.2113
$P_{C,s}$	0.4687	$P'_{C',s}$	0.5053
$P_{d,C}$	0.2884	$P'_{d,C'}$	0.2395
$P_{e,d}$	0.2358	$P'_{e,d}$	0.2320
$P_{g,F}$	0.6094	$P'_{g,F'}$	0.5389
$P_{i,h}$	1.0512	$P'_{i,h}$	1.0341

异常色散 Abnormal Dispersions

$\Delta P_{C,t}$	0.0065	$\Delta P_{C,s}$	0.0014
$\Delta P_{F,e}$	0.0014	$\Delta P_{g,F}$	0.0109

着色度 Color Code

λ_{80}/λ_5	410/365
λ_{70}/λ_5	

热性质 Thermal Properties

T_g (℃)	603
T_s (℃)	643
$T_{10}^{14.5}$ (℃)	553
T_{10}^{13} (℃)	584
$T_{10}^{7.6}$(℃)	699
$\alpha_{-30/70℃}$(10^{-7}/K)	95
$\alpha_{100/300℃}$(10^{-7}/K)	113
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	0.934	0.872
2200	0.956	0.913
2000	0.979	0.958
1800	0.987	0.975
1600	0.995	0.991
1400	0.997	0.994
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	0.997	0.995
650	0.996	0.993
600	0.997	0.994
550	0.996	0.993
500	0.992	0.985
480	0.991	0.982
460	0.987	0.975
440	0.983	0.967
420	0.974	0.948
400	0.938	0.879
390	0.885	0.784
380	0.741	0.549
370	0.420	0.176
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	-1.2	0.3	0.7	1.0	2.2	3.5
-20～0	-1.0	0.5	0.9	1.1	2.4	3.8
0～20	-0.4	0.7	1.0	1.5	2.6	4.2
20～40	0.1	0.8	1.2	1.9	3.0	4.4
40～60	0.3	0.9	1.5	2.1	3.2	4.8
60～80	0.4	1.1	1.6	2.2	3.7	5.6
80～100						
100～120						
120～140						

机械性质 Mechanical Properties

H_K (10^7Pa)	528
F_A	178
E (10^7Pa)	8880
G (10^7Pa)	3538
μ	0.255
B (10^{-12}/Pa)	2.65

其他性质 Other Properties

ρ (g/cm^3)	3.10

备注 Remarks

CDGM