H-ZF7LAGT 805255

n_d = 1.805180	υ_d = 25.46	$n_F - n_C$ = 0.031630
n_e = 1.812632	υ_e = 25.25	$n_{F'} - n_{C'}$ = 0.032179

折射率 Refractive Index

	λ（nm）	
$n_{2325.42}$	2325.42	1.749661
$n_{1970.09}$	1970.09	1.755925
$n_{1529.58}$	1529.58	1.763376
$n_{1060.0}$	1060.0	1.773552
n_t	1013.98	1.774981
n_s	852.11	1.781525
n_r	706.52	1.791184
n_C	656.27	1.796108
$n_{C'}$	643.85	1.797518
n_{He-Ne}	632.8	1.798847
n_D	589.29	1.804907
n_d	587.56	1.805180
n_e	546.07	1.812632
n_F	486.13	1.827738
$n_{F'}$	479.99	1.829697
n_g	435.83	1.847193
n_h	404.66	1.864787
n_i	365.01	1.898671
$n_{313.18}$	313.18	
$n_{302.15}$	302.15	

色散公式常数 Constants of Dispersion Formula

K_1	1.65846092E+00
L_1	1.44874699E+02
K_2	2.98796445E-01
L_2	6.35424599E-02
K_3	1.81848340E+00
L_3	1.41908346E-02

折射率温度系数常数 Constants of dn/dt

D_0	-7.91E-06
D_1	1.24E-08
D_2	-3.12E-11
E_0	1.09E-06
E_1	1.48E-09
λ_{TK}(μm)	0.281

相对部分色散 Relative Partial Dispersions

$P_{s,t}$	0.2069	$P'_{s,t}$	0.2034
$P_{C,s}$	0.4610	$P'_{C',s}$	0.4970
$P_{d,C}$	0.2868	$P'_{d,C'}$	0.2381
$P_{e,d}$	0.2356	$P'_{e,d}$	0.2316
$P_{g,F}$	0.6151	$P'_{g,F'}$	0.5437
$P_{i,h}$	1.0713	$P'_{i,h}$	1.0530

异常色散 Abnormal Dispersions

$\Delta P_{C,t}$	0.0018	$\Delta P_{C,s}$	-0.0009
$\Delta P_{F,e}$	0.0020	$\Delta P_{g,F}$	0.0127

着色度 Color Code

λ_{80}/λ_5	420/360
λ_{70}/λ_5	

热性质 Thermal Properties

T_g (℃)	580
T_s (℃)	615
$T_{10}^{14.5}$ (℃)	530
T_{10}^{13} (℃)	558
$T_{10}^{7.6}$(℃)	678
$\alpha_{-30/70℃}$(10^{-7}/K)	90
$\alpha_{100/300℃}$(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	0.919	0.845
2200	0.955	0.911
2000	0.975	0.950
1800	0.985	0.971
1600	0.995	0.991
1400	0.998	0.995
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	0.997
650	0.998	0.996
600	0.998	0.996
550	0.997	0.994
500	0.993	0.986
480	0.990	0.981
460	0.988	0.976
440	0.982	0.964
420	0.972	0.945
400	0.944	0.891
390	0.908	0.824
380	0.812	0.659
370	0.550	0.303
360	0.134	0.018
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	-2.3	-1.8	-0.8	-0.6	0.3	1.8
-40～-20	-3.1	-1.7	-1.4	-0.8	0.6	1.7
-20～0	-2.7	-1.5	-1.0	-0.6	0.8	2.6
0～20	-2.5	-1.1	-0.9	-0.4	0.9	2.5
20～40	-2.4	-1.1	-0.7	0.0	1.6	3.2
40～60	-2.3	-0.9	-0.3	0.1	1.9	3.8
60～80	-2.3	-0.8	-0.3	0.5	2.1	4.0
80～100	-2.0	-0.7	-0.1	0.8	2.3	4.5
100～120	-2.3	-0.4	0.1	0.5	2.2	4.3
120～140	-1.6	-0.2	0.2	1.2	3.2	5.2

机械性质 Mechanical Properties

H_K (10^7Pa)	513
F_A	192
E (10^7Pa)	8994
G (10^7Pa)	3555
μ	0.265
B (10^{-12}/Pa)	2.65

其他性质 Other Properties

ρ (g/cm^3)	3.35

备注 Remarks

CDGM