H-ZLaF53BGT 834372

n_d = 1.834000	υ_d = 37.21	$n_F - n_C$ = 0.022413
n_e = 1.839316	υ_e = 36.96	$n_{F'} - n_{C'}$ = 0.022709

折射率 Refractive Index

	λ（nm）	
$n_{2325.42}$	2325.42	1.786971
$n_{1970.09}$	1970.09	1.793577
$n_{1529.58}$	1529.58	1.800996
$n_{1060.0}$	1060.0	1.810005
n_t	1013.98	1.811179
n_s	852.11	1.816384
n_r	706.52	1.823740
n_C	656.27	1.827395
$n_{C'}$	643.85	1.828432
n_{He-Ne}	632.8	1.829406
n_D	589.29	1.833804
n_d	587.56	1.834000
n_e	546.07	1.839316
n_F	486.13	1.849808
$n_{F'}$	479.99	1.851141
n_g	435.83	1.862770
n_h	404.66	1.873950
n_i	365.01	1.893997
$n_{313.18}$	313.18	
$n_{302.15}$	302.15	

色散公式常数 Constants of Dispersion Formula

K_1	3.02813825E-01
L_1	4.55920200E-02
K_2	1.25522353E+00
L_2	9.99412194E+01
K_3	1.95575794E+00
L_3	1.08167110E-02

折射率温度系数常数 Constants of dn/dt

D_0	9.87E-06
D_1	1.65E-08
D_2	-3.22E-11
E_0	8.90E-07
E_1	1.12E-09
λ_{TK}(μm)	0.243

相对部分色散 Relative Partial Dispersions

$P_{s,t}$	0.2322	$P'_{s,t}$	0.2292
$P_{C,s}$	0.4913	$P'_{C',s}$	0.5305
$P_{d,C}$	0.2947	$P'_{d,C'}$	0.2452
$P_{e,d}$	0.2372	$P'_{e,d}$	0.2341
$P_{g,F}$	0.5783	$P'_{g,F'}$	0.5121
$P_{i,h}$	0.8944	$P'_{i,h}$	0.8828

异常色散 Abnormal Dispersions

$\Delta P_{C,t}$	0.0019	$\Delta P_{C,s}$	0.0016
$\Delta P_{F,e}$	-0.0011	$\Delta P_{g,F}$	-0.0040

着色度 Color Code

λ_{80}/λ_5	410/340
λ_{70}/λ_5	

热性质 Thermal Properties

T_g (℃)	569
T_s (℃)	604
$T_{10}^{14.5}$ (℃)	520
T_{10}^{13} (℃)	552
$T_{10}^{7.6}$(℃)	661
$\alpha_{-30/70℃}$(10^{-7}/K)	59
$\alpha_{100/300℃}$(10^{-7}/K)	72
λ[W/(m·K)]	

化学性质 Chemical Properties

	Grade
D_W	1
D_A	2
CR	1
RC(S)	1
RA(S)	4

内部透过率 Internal Transmittance τ

λ（nm）	τ (5mm)	τ (10mm)
2400	0.899	0.808
2200	0.972	0.945
2000	0.988	0.977
1800	0.996	0.993
1600	0.999	0.998
1400	0.999	0.998
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	0.997	0.995
700	0.996	0.993
650	0.996	0.993
600	0.997	0.994
550	0.997	0.994
500	0.996	0.992
480	0.994	0.989
460	0.992	0.985
440	0.988	0.977
420	0.984	0.969
400	0.970	0.940
390	0.954	0.911
380	0.926	0.857
370	0.865	0.748
360	0.735	0.540
350	0.454	0.206
340	0.141	0.020
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	7.9	8.8	9.2	9.8	10.4	11.5
-40～-20	8.2	9.0	9.4	9.9	10.6	11.9
-20～0	8.2	9.2	9.5	9.9	11.0	12.3
0～20	8.3	9.4	9.8	10.2	11.5	12.6
20～40	8.5	9.6	10.3	10.8	11.9	13.0
40～60	8.7	10.2	10.6	11.1	12.3	13.6
60～80	9.0	10.4	10.7	11.2	12.3	13.9
80～100	9.1	10.5	10.9	11.4	12.6	14.0
100～120	9.3	10.7	11.2	11.7	13.0	14.4
120～140	9.5	11.0	11.7	12.1	13.5	14.9

机械性质 Mechanical Properties

H_K (10^7Pa)	613
F_A	93
E (10^7Pa)	11043
G (10^7Pa)	4204
μ	0.313
B (10^{-12}/Pa)	2.47

其他性质 Other Properties

ρ (g/cm^3)	4.54

备注 Remarks

CDGM