H-ZBaF4	664355	n_d = 1.664260	υ_d = 35.48	$n_F - n_C$ = 0.018720
		n_e = 1.668690	υ_e = 35.22	$n_{F'} - n_{C'}$ = 0.018987

折射率 Refractive Index

	λ（nm）	
$n_{2325.42}$	2325.42	1.624962
$n_{1970.09}$	1970.09	1.630561
$n_{1529.58}$	1529.58	1.636844
$n_{1060.0}$	1060.0	1.644393
n_t	1013.98	1.645369
n_s	852.11	1.649677
n_r	706.52	1.655756
n_C	656.27	1.658780
$n_{C'}$	643.85	1.659639
n_{He-Ne}	632.8	1.660446
n_D	589.29	1.664097
n_d	587.56	1.664260
n_e	546.07	1.668690
n_F	486.13	1.677500
$n_{F'}$	479.99	1.678626
n_g	435.83	1.688535
n_h	404.66	1.698223
n_i	365.01	1.716106
$n_{313.18}$	313.18	
$n_{302.15}$	302.15	

色散公式常数 Constants of Dispersion Formula

K_1	1.51466661E-01
L_1	5.71831045E-02
K_2	1.54020133E+00
L_2	1.11587138E-02
K_3	1.18737385E+00
L_3	1.20128948E+02

折射率温度系数常数 Constants of dn/dt

D_0	-5.11E-07
D_1	1.36E-08
D_2	-2.61E-11
E_0	8.17E-07
E_1	8.22E-10
λ_{TK}(μm)	0.257

相对部分色散 Relative Partial Dispersions

$P_{s,t}$	0.2301	$P'_{s,t}$	0.2269
$P_{C,s}$	0.4863	$P'_{C',s}$	0.5247
$P_{d,C}$	0.2927	$P'_{d,C'}$	0.2434
$P_{e,d}$	0.2366	$P'_{e,d}$	0.2333
$P_{g,F}$	0.5895	$P'_{g,F'}$	0.5219
$P_{i,h}$	0.9553	$P'_{i,h}$	0.9419

异常色散 Abnormal Dispersions

$\Delta P_{C,t}$	0.0030	$\Delta P_{C,s}$	0.0007
$\Delta P_{F,e}$	0.0004	$\Delta P_{g,F}$	0.0042

着色度 Color Code

λ_{80}/λ_5	395/360
λ_{70}/λ_5	

热性质 Thermal Properties

T_g (℃)	605
T_s (℃)	653
$T_{10}^{14.5}$ (℃)	541
T_{10}^{13} (℃)	577
$T_{10}^{7.6}$(℃)	724
$\alpha_{-30/70℃}$(10^{-7}/K)	79
$\alpha_{100/300℃}$(10^{-7}/K)	95
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	0.931	0.866
2200	0.947	0.897
2000	0.978	0.957
1800	0.987	0.973
1600	0.995	0.991
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	0.996
700	0.997	0.995
650	0.997	0.995
600	0.998	0.996
550	0.998	0.996
500	0.997	0.994
480	0.996	0.993
460	0.995	0.991
440	0.992	0.985
420	0.988	0.976
400	0.969	0.939
390	0.942	0.888
380	0.876	0.768
370	0.708	0.501
360	0.342	0.117
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	1.4	2.2	2.5	2.8	3.6	4.0
-40～-20	1.5	2.3	2.5	2.9	3.6	4.2
-20～0	1.5	2.3	2.7	3.0	3.8	4.7
0～20	1.7	2.4	2.8	3.2	3.9	5.0
20～40	1.8	2.5	2.8	3.2	4.1	5.0
40～60	1.9	2.7	2.9	3.5	4.3	5.3
60～80	2.0	2.9	3.1	3.6	4.4	5.5
80～100	2.0	2.9	3.4	3.8	4.7	5.7
100～120	2.1	3.1	3.5	3.8	4.9	5.9
120～140	2.1	3.1	3.6	3.9	5.0	6.2

机械性质 Mechanical Properties

H_K (10^7Pa)	602
F_A	180
E (10^7Pa)	8553
G (10^7Pa)	3423
μ	0.249
B (10^{-12}/Pa)	2.80

其他性质 Other Properties

ρ (g/cm^3)	3.11

备注 Remarks

CDGM