H-ZBaF50	658509	n_d = 1.658440	υ_d = 50.85	$n_F - n_C$ = 0.012948
		n_e = 1.661521	υ_e = 50.56	$n_{F'} - n_{C'}$ = 0.013084

折射率 Refractive Index

	λ（nm）	
$n_{2325.42}$	2325.42	1.626026
$n_{1970.09}$	1970.09	1.631419
$n_{1529.58}$	1529.58	1.637265
$n_{1060.0}$	1060.0	1.643723
n_t	1013.98	1.644504
n_s	852.11	1.647850
n_r	706.52	1.652365
n_C	656.27	1.654552
$n_{C'}$	643.85	1.655167
n_{He-Ne}	632.8	1.655744
n_D	589.29	1.658325
n_d	587.56	1.658440
n_e	546.07	1.661521
n_F	486.13	1.667500
$n_{F'}$	479.99	1.668251
n_g	435.83	1.674723
n_h	404.66	1.680820
n_i	365.01	1.691474
$n_{313.18}$	313.18	1.714653
$n_{302.15}$	302.15	

色散公式常数 Constants of Dispersion Formula

K_1	1.63431974E+00
L_1	9.83161322E-03
K_2	9.88379475E-01
L_2	1.02398826E+02
K_3	6.11984018E-02
L_3	4.99038842E-02

折射率温度系数常数 Constants of dn/dt

D_0	-1.31E-06
D_1	1.42E-08
D_2	-3.27E-11
E_0	5.21E-07
E_1	3.53E-10
λ_{TK}(μm)	0.234

相对部分色散 Relative Partial Dispersions

$P_{s,t}$	0.2584	$P'_{s,t}$	0.2557
$P_{C,s}$	0.5176	$P'_{C',s}$	0.5592
$P_{d,C}$	0.3003	$P'_{d,C'}$	0.2502
$P_{e,d}$	0.2380	$P'_{e,d}$	0.2355
$P_{g,F}$	0.5578	$P'_{g,F'}$	0.4946
$P_{i,h}$	0.8228	$P'_{i,h}$	0.8143

异常色散 Abnormal Dispersions

$\Delta P_{C,t}$	-0.0098	$\Delta P_{C,s}$	-0.0044
$\Delta P_{F,e}$	-0.0001	$\Delta P_{g,F}$	-0.0013

着色度 Color Code

λ_{80}/λ_5	375/340
λ_{70}/λ_5	

热性质 Thermal Properties

T_g (℃)	652
T_s (℃)	693
$T_{10}^{14.5}$ (℃)	589
T_{10}^{13} (℃)	626
$T_{10}^{7.6}$(℃)	781
$\alpha_{-30/70℃}$(10^{-7}/K)	75
$\alpha_{100/300℃}$(10^{-7}/K)	90
λ[W/(m·K)]	

化学性质 Chemical Properties

	Grade
D_W	1
D_A	3
CR	2
RC(S)	1
RA(S)	3

内部透过率 Internal Transmittance τ

λ（nm）	τ (5mm)	τ (10mm)
2400	0.906	0.820
2200	0.956	0.914
2000	0.982	0.965
1800	0.991	0.982
1600	0.996	0.993
1400	0.997	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	0.998	0.996
800	0.997	0.994
700	0.996	0.992
650	0.995	0.991
600	0.995	0.991
550	0.995	0.991
500	0.994	0.988
480	0.992	0.985
460	0.991	0.982
440	0.989	0.979
420	0.987	0.974
400	0.977	0.954
390	0.963	0.928
380	0.938	0.880
370	0.880	0.780
360	0.760	0.580
350	0.540	0.290
340	0.210	0.050
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	0.9	1.3	1.7	1.9	2.0	2.7
-20～0	1.0	1.4	1.6	1.9	2.2	2.7
0～20	1.0	1.7	1.8	2.0	2.3	3.0
20～40	1.1	1.7	1.8	2.0	2.7	3.1
40～60	1.2	1.7	2.0	2.2	2.8	3.1
60～80	1.4	1.6	1.9	2.3	2.7	3.4
80～100						
100～120						
120～140						

机械性质 Mechanical Properties

H_K (10^7Pa)	508
F_A	156
E (10^7Pa)	8592
G (10^7Pa)	3359
μ	0.279
B (10^{-12}/Pa)	1.71

其他性质 Other Properties

ρ (g/cm^3)	3.77

备注 Remarks

CDGM