H-BaF6	608462	n_d = 1.608010	υ_d = 46.20	$n_F - n_C$ = 0.013160
		n_e = 1.611135	υ_e = 45.91	$n_{F'} - n_{C'}$ = 0.013313

折射率 Refractive Index

	λ（nm）	
$n_{2325.42}$	2325.42	1.575933
$n_{1970.09}$	1970.09	1.581201
$n_{1529.58}$	1529.58	1.586936
$n_{1060.0}$	1060.0	1.593300
n_t	1013.98	1.594074
n_s	852.11	1.597392
n_r	706.52	1.601897
n_C	656.27	1.604090
$n_{C'}$	643.85	1.604709
n_{He-Ne}	632.8	1.605289
n_D	589.29	1.607894
n_d	587.56	1.608010
n_e	546.07	1.611135
n_F	486.13	1.617250
$n_{F'}$	479.99	1.618022
n_g	435.83	1.624725
n_h	404.66	1.631114
n_i	365.01	1.642446
$n_{313.18}$	313.18	
$n_{302.15}$	302.15	

色散公式常数 Constants of Dispersion Formula

K_1	1.06475107E+00
L_1	1.15353950E+02
K_2	1.38638809E+00
L_2	8.53300947E-03
K_3	1.46161462E-01
L_3	4.37434703E-02

折射率温度系数常数 Constants of dn/dt

D_0	-3.02E-06
D_1	1.55E-08
D_2	-1.32E-10
E_0	6.09E-07
E_1	9.44E-10
λ_{TK}(μm)	0.233

相对部分色散 Relative Partial Dispersions

$P_{s,t}$	0.2521	$P'_{s,t}$	0.2492
$P_{C,s}$	0.5090	$P'_{C',s}$	0.5496
$P_{d,C}$	0.2979	$P'_{d,C'}$	0.2480
$P_{e,d}$	0.2375	$P'_{e,d}$	0.2347
$P_{g,F}$	0.5680	$P'_{g,F'}$	0.5035
$P_{i,h}$	0.8611	$P'_{i,h}$	0.8512

异常色散 Abnormal Dispersions

$\Delta P_{C,t}$	-0.0029	$\Delta P_{C,s}$	-0.0020
$\Delta P_{F,e}$	0.0003	$\Delta P_{g,F}$	0.0010

着色度 Color Code

λ_{80}/λ_5	380/345
λ_{70}/λ_5	

热性质 Thermal Properties

T_g (℃)	597
T_s (℃)	649
$T_{10}^{14.5}$ (℃)	538
T_{10}^{13} (℃)	576
$T_{10}^{7.6}$(℃)	726
$\alpha_{-30/70℃}$(10^{-7}/K)	82
$\alpha_{100/300℃}$(10^{-7}/K)	94
λ[W/(m·K)]	

化学性质 Chemical Properties

	Grade
D_W	2
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	0.909	0.825
2200	0.936	0.877
2000	0.973	0.947
1800	0.986	0.972
1600	0.995	0.991
1400	0.994	0.989
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	0.992
650	0.996	0.992
600	0.996	0.993
550	0.996	0.993
500	0.996	0.992
480	0.995	0.991
460	0.995	0.991
440	0.993	0.987
420	0.992	0.984
400	0.985	0.970
390	0.974	0.949
380	0.952	0.906
370	0.897	0.804
360	0.748	0.559
350	0.412	0.170
340	0.176	0.031
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	-0.6	-0.2	-0.2	0.0	0.4	1.2
-20～0	0.2	0.7	1.0	1.1	1.6	2.0
0～20	0.3	0.7	1.1	1.1	1.6	2.0
20～40	0.3	0.7	1.1	1.1	1.7	2.1
40～60	0.3	0.9	1.1	1.5	1.8	2.6
60～80	0.4	1.2	1.2	1.5	2.0	2.7
80～100						
100～120						
120～140						

机械性质 Mechanical Properties

H_K (10^7Pa)	538
F_A	146
E (10^7Pa)	7765
G (10^7Pa)	3105
μ	0.250
B (10^{-12}/Pa)	2.30

其他性质 Other Properties

ρ (g/cm^3)	3.11

备注 Remarks

CDGM