H-ZBaF20	702412	n_d = 1.701540	υ_d = 41.15	$n_F - n_C$ = 0.017049
		n_e = 1.705584	υ_e = 40.86	$n_{F'} - n_{C'}$ = 0.017267

折射率 Refractive Index

	λ（nm）	
$n_{2325.42}$	2325.42	1.663857
$n_{1970.09}$	1970.09	1.669459
$n_{1529.58}$	1529.58	1.675693
$n_{1060.0}$	1060.0	1.683019
n_t	1013.98	1.683949
n_s	852.11	1.688024
n_r	706.52	1.693700
n_C	656.27	1.696499
$n_{C'}$	643.85	1.697292
n_{He-Ne}	632.8	1.698036
n_D	589.29	1.701390
n_d	587.56	1.701540
n_e	546.07	1.705584
n_F	486.13	1.713548
$n_{F'}$	479.99	1.714559
n_g	435.83	1.723369
n_h	404.66	1.731837
n_i	365.01	1.747050
$n_{313.18}$	313.18	
$n_{302.15}$	302.15	

色散公式常数 Constants of Dispersion Formula

K_1	1.55463018E-01
L_1	5.00496620E-02
K_2	1.22204789E+00
L_2	1.19801735E+02
K_3	1.66611640E+00
L_3	1.02206327E-02

折射率温度系数常数 Constants of dn/dt

D_0	2.21E-06
D_1	1.68E-08
D_2	-1.66E-11
E_0	8.01E-07
E_1	3.97E-10
λ_{TK}(μm)	0.220

相对部分色散 Relative Partial Dispersions

$P_{s,t}$	0.2390	$P'_{s,t}$	0.2360
$P_{C,s}$	0.4971	$P'_{C',s}$	0.5367
$P_{d,C}$	0.2957	$P'_{d,C'}$	0.2460
$P_{e,d}$	0.2372	$P'_{e,d}$	0.2342
$P_{g,F}$	0.5760	$P'_{g,F'}$	0.5102
$P_{i,h}$	0.8923	$P'_{i,h}$	0.8810

异常色散 Abnormal Dispersions

$\Delta P_{C,t}$	-0.0040	$\Delta P_{C,s}$	-0.0019
$\Delta P_{F,e}$	0.0000	$\Delta P_{g,F}$	0.0004

着色度 Color Code

λ_{80}/λ_5	390/350
λ_{70}/λ_5	

热性质 Thermal Properties

T_g (℃)	594
T_s (℃)	657
$T_{10}^{14.5}$ (℃)	550
T_{10}^{13} (℃)	591
$T_{10}^{7.6}$(℃)	736
$\alpha_{-30/70℃}$(10^{-7}/K)	69
$\alpha_{100/300℃}$(10^{-7}/K)	85
λ[W/(m·K)]	0.707
c_p[J/(g·K)]	0.498

化学性质 Chemical Properties

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

内部透过率 Internal Transmittance τ

λ（nm）	τ (5mm)	τ (10mm)
2400	0.931	0.867
2200	0.967	0.933
2000	0.986	0.973
1800	0.992	0.985
1600	0.997	0.994
1400	0.997	0.994
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	0.999	0.998
700	0.999	0.999
650	0.998	0.997
600	0.999	0.998
550	0.999	0.998
500	0.997	0.995
480	0.996	0.992
460	0.994	0.988
440	0.992	0.984
420	0.988	0.977
400	0.977	0.954
390	0.964	0.929
380	0.933	0.871
370	0.860	0.740
360	0.681	0.464
350	0.315	0.099
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	3.1	3.6	4.0	4.2	4.8	5.6
-40～-20	3.1	3.7	4.1	4.3	4.9	5.8
-20～0	3.1	3.7	4.1	4.3	5.0	6.0
0～20	3.1	3.8	4.2	4.4	5.1	6.1
20～40	3.2	4.0	4.3	4.7	5.3	6.2
40～60	3.4	4.4	4.5	5.0	5.6	6.5
60～80	3.7	4.6	4.9	5.4	6.0	6.9
80～100	3.9	4.9	5.2	5.5	6.3	7.0
100～120	4.0	5.0	5.2	5.5	6.5	7.1
120～140	4.1	5.0	5.3	5.5	6.7	7.2

机械性质 Mechanical Properties

H_K (10^7Pa)	594
F_A	170
E (10^7Pa)	9679
G (10^7Pa)	3820
μ	0.267
B (10^{-12}/Pa)	2.08

其他性质 Other Properties

ρ (g/cm^3)	3.64

备注 Remarks

CDGM