ZBaF17	668419	n_d = 1.66755	υ_d = 41.93	$n_F - n_C$ = 0.015921
		n_e = 1.67133	υ_e = 41.64	$n_{F'} - n_{C'}$ = 0.016123

折射率 Refractive Index

	λ（nm）	
$n_{2325.42}$	2325.42	
$n_{1970.09}$	1970.09	
$n_{1529.58}$	1529.58	
$n_{1060.0}$	1060.0	
n_t	1013.98	1.65116
n_s	852.11	1.65493
n_r	706.52	1.66023
n_C	656.27	1.66284
$n_{C'}$	643.85	1.66358
n_{He-Ne}	632.8	1.66428
n_D	589.29	1.66741
n_d	587.56	1.66755
n_e	546.07	1.67133
n_F	486.13	1.67876
$n_{F'}$	479.99	1.67970
n_g	435.83	1.68788
n_h	404.66	1.69574
n_i	365.01	1.70978
$n_{313.18}$	313.18	
$n_{302.15}$	302.15	

色散公式常数 Constants of Dispersion Formula

A_0	2.7114815E+00
A_1	-8.3031047E-03
A_2	2.3733195E-02
A_3	2.8197729E-04
A_4	3.9409899E-05
A_5	7.1756265E-07

折射率温度系数常数 Constants of dn/dt

D_0	3.29E-08
D_1	1.54E-08
D_2	-1.58E-11
E_0	7.94E-07
E_1	1.05E-09
λ_{TK}(μm)	0.240

相对部分色散 Relative Partial Dispersions

$P_{s,t}$	0.2368	$P'_{s,t}$	0.2338
$P_{C,s}$	0.4968	$P'_{C',s}$	0.5365
$P_{d,C}$	0.2958	$P'_{d,C'}$	0.2462
$P_{e,d}$	0.2374	$P'_{e,d}$	0.2344
$P_{g,F}$	0.5728	$P'_{g,F'}$	0.5074
$P_{i,h}$		$P'_{i,h}$	

异常色散 Abnormal Dispersions

$\Delta P_{C,t}$	-0.0102	$\Delta P_{C,s}$	-0.0040
$\Delta P_{F,e}$	0.0001	$\Delta P_{g,F}$	-0.0014

着色度 Color Code

λ_{80}/λ_5	400/350
λ_{70}/λ_5	

热性质 Thermal Properties

T_g (℃)	584
T_s (℃)	633
$T_{10}^{14.5}$ (℃)	540
T_{10}^{13} (℃)	582
$T_{10}^{7.6}$(℃)	
$\alpha_{-30/70℃}$(10^{-7}/K)	78
$\alpha_{100/300℃}$(10^{-7}/K)	91
λ[W/(m·K)]	

化学性质 Chemical Properties

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

内部透过率 Internal Transmittance τ

λ（nm）	τ (5mm)	τ (10mm)
2400	0.922	0.850
2200	0.954	0.911
2000	0.983	0.967
1800	0.990	0.981
1600	0.996	0.993
1400	0.995	0.990
1200	0.999	0.998
1060	0.999	0.998
1000	0.999	0.998
950	0.998	0.997
900	0.996	0.993
850	0.994	0.988
800	0.996	0.992
700	0.995	0.990
650	0.995	0.990
600	0.995	0.990
550	0.996	0.992
500	0.994	0.989
480	0.993	0.987
460	0.991	0.983
440	0.989	0.978
420	0.982	0.965
400	0.960	0.922
390	0.931	0.866
380	0.872	0.760
370	0.750	0.570
360	0.510	0.260
350	0.200	0.040
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						
-40～-20	1.4	2.1	2.8	3.2	3.5	4.4
-20～0	1.9	2.4	2.6	3.0	3.5	4.3
0～20	2.0	2.6	3.0	3.5	4.1	4.8
20～40	2.0	3.0	3.2	3.4	4.2	4.9
40～60	2.2	3.2	3.3	3.5	4.4	5.6
60～80	2.3	3.3	3.7	4.1	4.9	5.7
80～100						
100～120						
120～140						

机械性质 Mechanical Properties

H_K (10^7Pa)	510
F_A	175
E (10^7Pa)	8043
G (10^7Pa)	3198
μ	0.257
B (10^{-12}/Pa)	1.88

其他性质 Other Properties

ρ (g/cm^3)	3.80

备注 Remarks

CDGM