ZBaF2	640483	n_d = 1.63962	υ_d = 48.27	$n_F - n_C$ = 0.013250
		n_e = 1.64277	υ_e = 47.90	$n_{F'} - n_{C'}$ = 0.013418

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	
n_s	852.11	
n_r	706.52	1.63342
n_C	656.27	1.63566
$n_{C'}$	643.85	1.63627
n_{He-Ne}	632.8	1.63686
n_D	589.29	1.63950
n_d	587.56	1.63962
n_e	546.07	1.64277
n_F	486.13	1.64891
$n_{F'}$	479.99	1.64969
n_g	435.83	1.65635
n_h	404.66	1.66268
n_i	365.01	1.67382
$n_{313.18}$	313.18	
$n_{302.15}$	302.15	

色散公式常数 Constants of Dispersion Formula

A_0	2.6324147E+00
A_1	-8.7251762E-03
A_2	1.9124302E-02
A_3	4.4859331E-04
A_4	-1.7473295E-05
A_5	2.8601145E-06

折射率温度系数常数 Constants of dn/dt

D_0	
D_1	
D_2	
E_0	
E_1	
λ_{TK}(μm)	

相对部分色散 Relative Partial Dispersions

$P_{s,t}$		$P'_{s,t}$	
$P_{C,s}$		$P'_{C',s}$	
$P_{d,C}$	0.2989	$P'_{d,C'}$	0.2497
$P_{e,d}$	0.2376	$P'_{e,d}$	0.2346
$P_{g,F}$	0.5615	$P'_{g,F'}$	0.4963
$P_{i,h}$		$P'_{i,h}$	

异常色散 Abnormal Dispersions

$\Delta P_{C,t}$		$\Delta P_{C,s}$	
$\Delta P_{F,e}$	0.0001	$\Delta P_{g,F}$	-0.0020

着色度 Color Code

λ_{80}/λ_5	370/330
λ_{70}/λ_5	

热性质 Thermal Properties

T_g (℃)	621
T_s (℃)	670
$T_{10}^{14.5}$ (℃)	562
T_{10}^{13} (℃)	601
$T_{10}^{7.6}$(℃)	
$\alpha_{-30/70℃}$(10^{-7}/K)	61
$\alpha_{100/300℃}$(10^{-7}/K)	75
λ[W/(m·K)]	

化学性质 Chemical Properties

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

内部透过率 Internal Transmittance τ

λ（nm）	τ (5mm)	τ (10mm)
2400	0.924	0.854
2200	0.959	0.919
2000	0.985	0.971
1800	0.992	0.985
1600	0.997	0.995
1400	0.999	0.998
1200	0.999	0.998
1060	0.999	0.998
1000	0.998	0.997
950	0.998	0.996
900	0.998	0.996
850	0.997	0.995
800	0.996	0.993
700	0.996	0.992
650	0.995	0.991
600	0.995	0.991
550	0.996	0.992
500	0.995	0.990
480	0.994	0.988
460	0.993	0.986
440	0.992	0.984
420	0.990	0.980
400	0.983	0.967
390	0.975	0.951
380	0.962	0.925
370	0.936	0.877
360	0.880	0.780
350	0.780	0.610
340	0.570	0.330
330	0.240	0.060
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						
-20～0						
0～20						
20～40						
40～60						
60～80						
80～100						
100～120						
120～140						

机械性质 Mechanical Properties

H_K (10^7Pa)	482
F_A	128
E (10^7Pa)	7731
G (10^7Pa)	3052
μ	0.266
B (10^{-12}/Pa)	

其他性质 Other Properties

ρ (g/cm^3)	3.83

备注 Remarks

CDGM