BaF4	**583465**	n_d = 1.58271	υ_d = 46.47	$n_F - n_C$ = 0.012540
		n_e = 1.58569	υ_e = 46.07	$n_{F'} - n_{C'}$ = 0.012714

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	1.57687
n_C	656.27	1.57897
$n_{C'}$	643.85	1.57955
n_{He-Ne}	632.8	1.58011
n_D	589.29	1.58260
n_d	587.56	1.58271
n_e	546.07	1.58569
n_F	486.13	1.59151
$n_{F'}$	479.99	1.59227
n_g	435.83	1.59862
n_h	404.66	1.60468
n_i	365.01	1.61535
$n_{313.18}$	313.18	
$n_{302.15}$	302.15	

色散公式常数 Constants of Dispersion Formula

A_0	2.4514720E+00
A_1	-6.5118879E-03
A_2	1.9377342E-02
A_3	-3.0637647E-04
A_4	1.0174985E-04
A_5	-3.9270356E-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

$P_{s,t}$		$P'_{s,t}$	
$P_{C,s}$		$P'_{C',s}$	
$P_{d,C}$	0.2986	$P'_{d,C'}$	0.2485
$P_{e,d}$	0.2374	$P'_{e,d}$	0.2342
$P_{g,F}$	0.5673	$P'_{g,F'}$	0.4999
$P_{i,h}$		$P'_{i,h}$	

异常色散 Abnormal Dispersions

$\Delta P_{C,t}$		$\Delta P_{C,s}$	
$\Delta P_{F,e}$	-0.0002	$\Delta P_{g,F}$	0.0007

着色度 Color Code

λ_{80}/λ_5	350/320
λ_{70}/λ_5	

热性质 Thermal Properties

T_g (℃)	528
T_s (℃)	606
$T_{10}^{14.5}$ (℃)	475
T_{10}^{13} (℃)	518
$T_{10}^{7.6}$(℃)	
$\alpha_{-30/70℃}$(10^{-7}/K)	78
$\alpha_{100/300℃}$(10^{-7}/K)	91
λ[W/(m·K)]	

化学性质 Chemical Properties

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

内部透过率 Internal Transmittance τ

λ（nm）	τ (5mm)	τ (10mm)
2400	0.931	0.867
2200	0.945	0.893
2000	0.973	0.947
1800	0.986	0.973
1600	0.997	0.994
1400	0.998	0.996
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	0.998	0.997
650	0.998	0.997
600	0.998	0.997
550	0.998	0.996
500	0.997	0.995
480	0.997	0.994
460	0.996	0.993
440	0.996	0.992
420	0.995	0.991
400	0.994	0.989
390	0.992	0.984
380	0.988	0.976
370	0.985	0.971
360	0.975	0.951
350	0.949	0.901
340	0.890	0.790
330	0.720	0.520
320	0.360	0.130
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)	442
F_A	97
E (10^7Pa)	6477
G (10^7Pa)	2619
μ	0.237
B (10^{-12}/Pa)	

其他性质 Other Properties

ρ (g/cm^3)	3.28

备注 Remarks

CDGM