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

Refractive Indices

	λ (nm)	
n_t	1014.0	
n_r	706.5	1.63342
n_c	656.3	1.63566
$n_{c'}$	643.8	1.63627
n_{He-Ne}	632.8	1.63686
n_D	589.3	1.63950
n_d	587.6	1.63962
n_e	546.1	1.64277
n_F	486.1	1.64891
$n_{F'}$	480.0	1.64969
n_g	435.8	1.65635
n_h	404.7	1.66268
n_i	365.0	1.67382

Constants of Dispersion Formula

A_0	2.6324147
A_1	-8.7251762×10^{-3}
A_2	1.9124302×10^{-2}
A_3	4.4859331×10^{-4}
A_4	-1.7473295×10^{-5}
A_5	2.8601145×10^{-6}

Deviation of Relative Partial Dispersions ΔP from the"Normal Line"

$\Delta P_{F,e}$	0.0001
$\Delta Pg_{,F}$	-0.0020

Relative Partial Dispersions

$P_{d,c}$	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

Chemical Properties

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

Thermal Properties

T_g (℃)	621
T_s (℃)	670
$T_{10^{14.5}}$ (℃)	562
$T_{10^{13}}$ (℃)	601
$T_{10^{7.6}}$(℃)	
$\alpha_{20/120℃}$(10^{-7}/K)	63
$\alpha_{100/300℃}$(10^{-7}/K)	75
λ (W/m・K)	

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)	

Other Properties

ρ (g/cm^3)	3.83

Internal Transmittance

λ (nm)	τ 5 mm	τ 10 mm
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	0.88	0.78
350	0.78	0.61
340	0.57	0.33
330	0.24	0.06
320		
310		
300		
290		
280		

Coloration Code

λ_{80}/λ_5	37/33

Temperature Coefficients of Refractive Index

Rang of Temperature	dn/dt relative(10^{-6}/℃)					
	t	C′	d	e	F′	g
-40～-20						
-20～0						
0～20						
20～40						
40～60						
60～80						

CDGM