

<b>H-ZBaF1</b>	<b>622532</b>	$n_d=1.62230$	$v_d=53.17$	$n_F - n_c=0.011704$
		$n_e=1.62508$	$v_e=52.88$	$n_{F'} - n_{c'}=0.011821$

Refractive Indices		
	$\lambda$ (nm)	
$n_t$	1014.0	1.60954
$n_F$	706.5	1.61678
$n_c$	656.3	1.61877
$n_{c'}$	643.8	1.61933
$n_{He-Ne}$	632.8	1.61985
$n_D$	589.3	1.62219
$n_d$	587.6	1.62230
$n_e$	546.1	1.62508
$n_F$	486.1	1.63047
$n_{F'}$	480.0	1.63115
$n_g$	435.8	1.63698
$n_h$	404.7	1.64245
$n_i$	365.0	1.65178

Constants of Dispersion Formula	
$A_0$	2.5794300
$A_1$	$-7.5775305 \times 10^{-3}$
$A_2$	$2.0178605 \times 10^{-2}$
$A_3$	$-8.4583280 \times 10^{-4}$
$A_4$	$1.7812694 \times 10^{-4}$
$A_5$	$-9.1923266 \times 10^{-6}$

Deviation of Relative Partial Dispersions $\Delta P$ from the "Normal Line"	
$\Delta P_{Fe}$	0.0000
$\Delta P_{g,F}$	0.0010

Temperature Coefficients of Refractive Index						
Rang of Temperature(°C)	$dn/dt_{rel.}(10^{-6}/^{\circ}C)$					
	t	C'	d	e	F'	g
-40~-20	2.9	3.2	3.5	3.6	3.8	4.5
-20~0	3.1	3.6	3.9	4.1	4.3	4.9
0~20	3.4	3.8	4.0	4.2	4.4	5.2
20~40	3.7	4.2	4.3	4.5	4.9	5.5
40~60	3.8	4.2	4.3	4.5	5.2	5.4
60~80	3.9	4.2	4.3	4.4	5.2	5.4

Relative Partial Dispersions			
$P_{d,c}$	0.3013	$P'_{d,c'}$	0.2510
$P_{e,d}$	0.2381	$P'_{e,d}$	0.2358
$P_{g,F}$	0.5562	$P'_{g,F'}$	0.4932

Chemical Properties	
	Grade
RC(S)	1
RA(S)	3
D <sub>W</sub>	1
D <sub>A</sub>	4

Thermal Properties	
$T_g$ (°C)	672
$T_s$ (°C)	719
$T_{10}^{14.5}$ (°C)	606
$T_{10}^{13}$ (°C)	648
$T_{10}^{7.6}$ (°C)	802
$\alpha_{20/120^{\circ}C}(10^{-7}/K)$	64
$\alpha_{100/300^{\circ}C}(10^{-7}/K)$	72
$\lambda$ (W/m·K)	

Mechanical Properties	
$H_K$ ( $10^7$ Pa)	562
$F_A$	129
$E$ ( $10^7$ Pa)	8044
$G$ ( $10^7$ Pa)	3177
$\mu$	0.266
$B$ ( $10^{-12}$ /Pa)	

Other Properties	
$\rho$ (g/cm <sup>3</sup> )	3.57

Internal Transmittance		
$\lambda$ (nm)	$\tau$ 5 mm	$\tau$ 10 mm
2400	0.928	0.862
2200	0.956	0.913
2000	0.985	0.971
1800	0.993	0.985
1600	0.997	0.995
1400	0.994	0.989
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	0.997
500	0.997	0.995
480	0.997	0.994
460	0.996	0.992
440	0.994	0.989
420	0.992	0.985
400	0.985	0.970
390	0.975	0.950
380	0.957	0.915
370	0.918	0.842
360	0.83	0.69
350	0.66	0.43
340	0.35	0.12
330		
320		
310		
300		
290		
280		

Coloration Code	
$\lambda_{80}/\lambda_5$	38/34