

H-BaF6 608462	$n_d = 1.60802$	$\nu_d = 46.20$	$n_F - n_c = 0.013160$
	$n_e = 1.61115$	$\nu_e = 45.92$	$n_{F'} - n_{c'} = 0.013310$

Refractive Indices		
	$\lambda(\text{nm})$	
n_t	706.5	1.60191
n_c	656.3	1.60409
$n_{c'}$	643.8	1.60471
$n_{\text{He-Ne}}$	632.8	1.60528
n_D	589.3	1.60790
n_d	587.6	1.60802
n_e	546.1	1.61115
n_F	486.1	1.61725
$n_{F'}$	480.0	1.61802
n_g	435.8	1.62476
n_h	404.7	1.63117
n_i	365.0	1.64235

Chemical Properties (grade)	
RC(S)	1
RA(S)	1
D_W	1
D_A	1

Internal Transmittance		
$\lambda(\text{nm})$	$\tau_{5\text{mm}}$	$\tau_{10\text{mm}}$
2400		
2200		
2000		
1800		
1600		
1400		
1200		
1060		
1000		
950		
900		
850	0.995	0.990
800	0.995	0.990

Thermal Properties	
$T_g(^{\circ}\text{C})$	581
$T_s(^{\circ}\text{C})$	654
$T_{10}^{14.5}(^{\circ}\text{C})$	532
$T_{10}^{13}(^{\circ}\text{C})$	571
$\alpha_{20/120^{\circ}\text{C}} (10^{-7}/\text{K})$	78
$\alpha_{100/300^{\circ}\text{C}} (10^{-7}/\text{K})$	87
$\lambda(\text{W}/\text{m}\cdot\text{K})$	

Constants of Dispersion Formula	
A_0	2.49839850E+00
A_1	1.45434050E-02
A_2	3.69894850E-02
A_3	-4.54759960E-03
A_4	6.30551060E-04
A_5	-2.87035250E-05

Mechanical Properties	
$H_K(10^7\text{Pa})$	540
F_A	135
$E(10^7\text{Pa})$	7679
$G(10^7\text{Pa})$	3081
μ	0.246
$B(10^{-12}/\text{Pa})$	

700	0.995	0.990
650	0.995	0.990
600	0.995	0.990
550	0.995	0.990
500	0.995	0.990
480	0.993	0.986
460	0.990	0.980
440	0.956	0.974
420	0.974	0.949
400	0.956	0.914
390	0.932	0.869
380	0.887	0.787
370	0.796	0.634
360	0.602	0.362
350	0.270	0.073

Relative Partial Dispersion			
$P_{d,c}$	0.2986	$P'_{d,c'}$	0.2486
$P_{e,d}$	0.2378	$P'_{e,d'}$	0.2352
$P_{g,F}$	0.5699	$P'_{g,F'}$	0.5059

Anomalous dispersions	
$\Delta P_{F,e}$	-0.0004
$\Delta P_{g,F}$	0.0030

Range of Temperature ($^{\circ}\text{C}$)	Temperature Coefficients of Refractive Index						
	dn/dt relative ($10^{-6} / ^{\circ}\text{C}$)						
	t	C'	He-Ne	D	e	F'	g
-40~-20							
-20~0							
0~20							
20~40							
40~60							
60~80							

340		
330		
320		
310		
300		
290		
280		

Density	
$\rho(\text{g}/\text{cm}^3)$	3.02

Coloration Code		
λ_{80}/λ_5	39/35	λ_{70}/λ_5

Remarks