

H-BaF8	626391	$n_d = 1.62603$	$\nu_d = 39.12$	$n_F - n_c = 0.016003$
		$n_e = 1.62984$	$\nu_e = 38.82$	$n_{F'} - n_{c'} = 0.016223$

Refractive Indices		
	$\lambda(\text{nm})$	
n_t	706.5	1.61881
n_c	656.3	1.62133
$n_{c'}$	643.8	1.62206
$n_{\text{He-Ne}}$	632.8	1.62275
n_D	589.3	1.62589
n_d	587.6	1.62603
n_e	546.1	1.62984
n_F	486.1	1.63733
$n_{F'}$	480.0	1.63828
n_g	435.8	1.64659
n_h	404.7	1.65464
n_i	365.0	1.66910

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	
$T_g(^{\circ}\text{C})$	580
$T_s(^{\circ}\text{C})$	655
$T_{10}^{14.5}(^{\circ}\text{C})$	530
$T_{10}^{13}(^{\circ}\text{C})$	568
$\alpha_{20/120^{\circ}\text{C}} (10^{-7}/\text{K})$	78
$\alpha_{100/300^{\circ}\text{C}} (10^{-7}/\text{K})$	89
$\lambda(\text{W}/\text{m}\cdot\text{K})$	

Constants of Dispersion Formula	
A_0	2.51855730E+00
A_1	3.78587750E-02
A_2	5.11330230E-02
A_3	-6.25356060E-03
A_4	7.75269560E-04
A_5	-3.05773350E-05

Mechanical Properties	
$H_K(10^7\text{Pa})$	496
F_A	128
$E(10^7\text{Pa})$	7530
$G(10^7\text{Pa})$	3014
μ	0.249
$B(10^{-12}/\text{Pa})$	

700	0.995	0.990
650	0.995	0.990
600	0.995	0.990
550	0.995	0.990
500	0.992	0.984
480	0.988	0.976
460	0.986	0.972
440	0.980	0.960
420	0.965	0.931
400	0.932	0.869
390	0.890	0.792
380	0.809	0.654
370	0.640	0.410
360	0.325	0.106
350	0.060	0.004

Relative Partial Dispersion			
$P_{d,c}$	0.2937	$P'_{d,c'}$	0.2447
$P_{e,d}$	0.2383	$P'_{e,d'}$	0.2350
$P_{g,F}$	0.5786	$P'_{g,F'}$	0.5122

Anomalous dispersions	
$\Delta P_{F,e}$	-0.0006
$\Delta P_{g,F}$	0.0000

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	
$\rho(\text{g}/\text{cm}^3)$	2.93

Coloration Code		
λ_{80}/λ_5	40/36	λ_{70}/λ_5

Remarks