

GH2

$\text{Ge}_{28}\text{Se}_{60}\text{Sb}_{12}$

$N_{10}=2.6044$

Refractive Indices	
λ (um)	n_{λ}
3.0	2.6289
4.0	2.6231
5.0	2.6197
6.0	2.6165
7.0	2.6136
8.0	2.6109
9.0	2.6075
10.0	2.6044
11.0	2.6003
12.0	2.5962

Chemical Properties (grade)	
RC (S)	1
RA (S)	1
DW	1
DA	1

Transmittance	
λ (um)	τ 2mm
2.5	67.52
3.0	67.44
3.5	67.66
4.0	68.00
4.5	67.66
5.0	67.74
5.5	68.33
6.0	68.16
6.5	67.73
7.0	68.34
7.5	68.59
8.0	68.43
8.5	68.84
9.0	68.92
9.5	68.92
10.0	68.93
10.5	68.90
11.0	68.57
11.5	67.18
12.0	63.31
12.5	56.40
13.0	56.51
13.5	61.88
14.0	65.23
14.5	65.39
15.0	63.61

Thermal Properties (grade)	
T _g (°C)	280
T _s (°C)	315
$\alpha_{20/120^{\circ}\text{C}}$ ($10^{-7}/\text{K}$)	142

Constants of Dispersion Formula	
A	2.62070808E-00
B	8.36150956E-02
C	4.38492851E-02
D	-1.89000124E-04
E	2.84873365E-07
F	-1.27888822E-09

Constants of dn/dt(10μm)	
-40°C ~ +50°C	$66.1 \times 10^{-6}/\text{K}$
-40°C ~ +80°C	$70.4 \times 10^{-6}/\text{K}$

Mechanical Properties	
HK (10^7Pa)	128
ρ (g/cm^3)	4.68

