

## 3D Graphene Foam



Our 3D Graphene Foam is an interconnected arrangement of graphene sheets which together form a highly porous three-dimensional network. 3D Graphene Foam is comprised solely of graphene, and we can embed within select matrix materials upon request.

Growth Method
Quality Control
Dimensions (cm)
Growth Substrate
Composition (EDS)
Density (mg/cm <sup>3</sup> )
Cell Size (μm)
Pore Size (μm)
Surface Area (m <sup>2</sup> /g)
Conductivity (S/m)
Yield Stress @ 0.5% Strain (kPa)
Compressive Modulus (kPa)
Appearance

Chemical Vapor Deposition

Raman, SEM, and Optical

3 x 3 x 0.16

Nickel Foam

> 99% C

27 +/- 6

450 +/- 25

150 +/- 50

~ 400 [1]

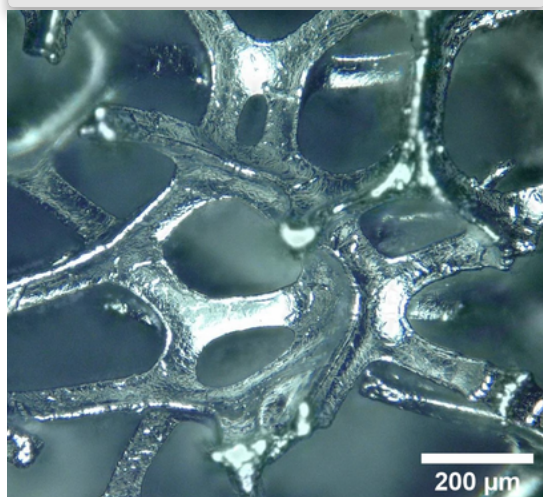
2x10<sup>5</sup>

3.7 +/- 2

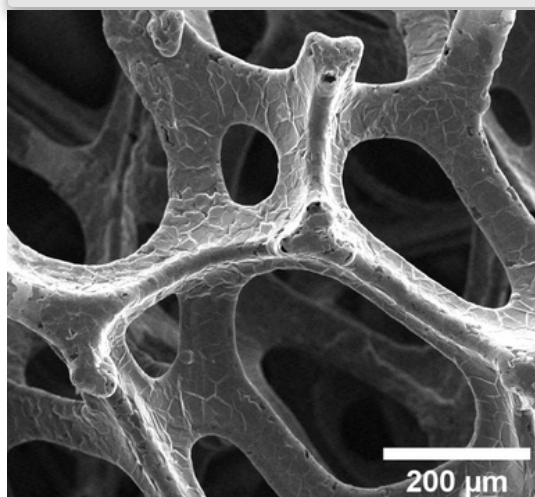
120 +/- 80

Freestanding Foam

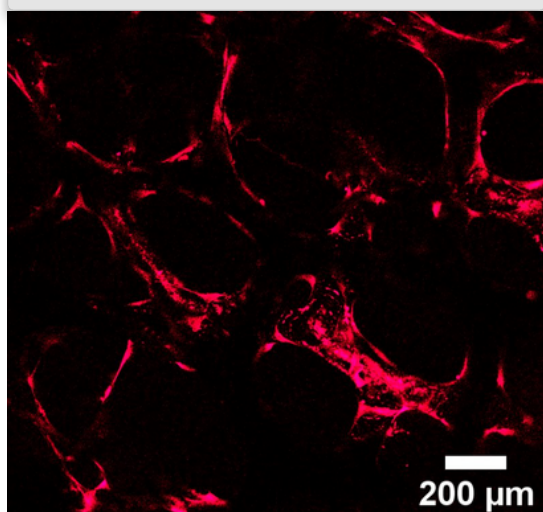
**Optical Image on Ni Foam**



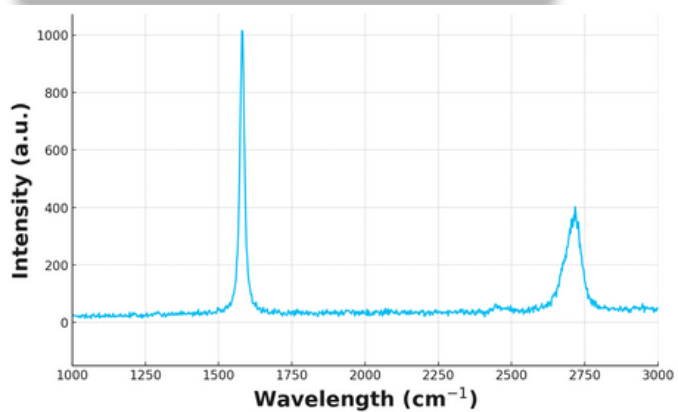
**SEM Image**



**Cardiac Fibroblasts on 3D Graphene Foam**



**Raman Spectrum**



## Related Products

For more information about the products offered by General Graphene Corporation, please visit [www.generalgraphenecorp.com](http://www.generalgraphenecorp.com) or contact us at [sales@generalgraphenecorp.com](mailto:sales@generalgraphenecorp.com).