



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 ³)
Pore Size (μm)
Surface Area (m ² /g)
Conductivity (S/m)
Effective Tensile Strength (kPa)
Effective Youngs Modulus (MPa)
Appearance

Chemical Vapor Deposition

Raman, SEM, and Optical

3 x 3 x 0.16

Nickel Foam

> 99% C

~ 3.5

5 - 500

~ 400 [1]

2x10⁵

25 [2]

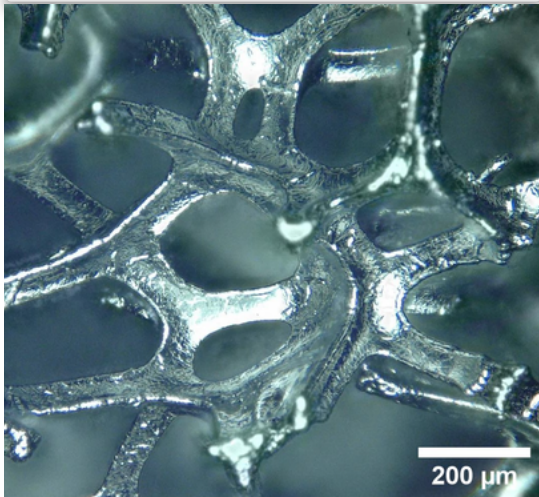
35 [2]

Freestanding Foam

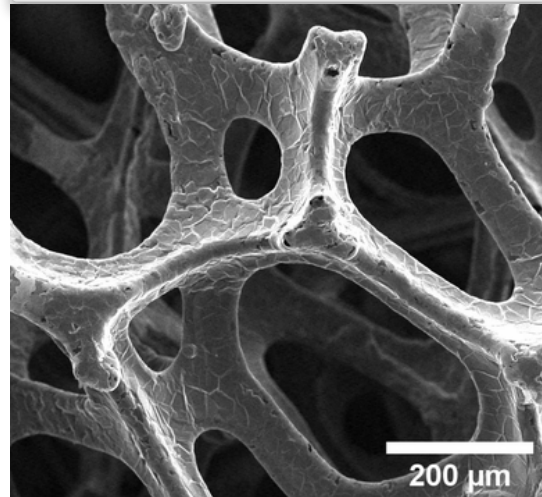
[1] DOI 10.1088/2053-1591/ab2e83

[2] estimated

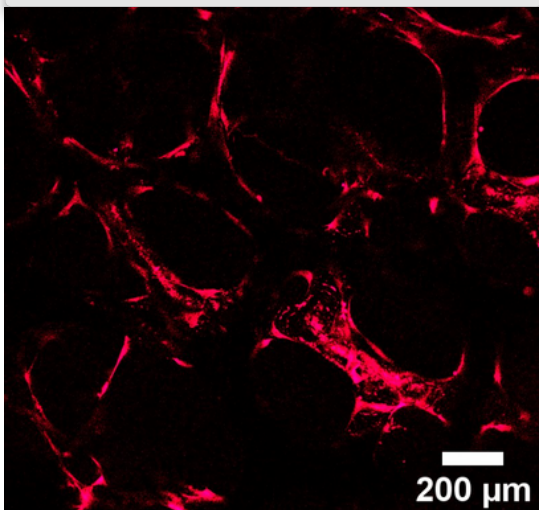
Optical Image on Ni Foam



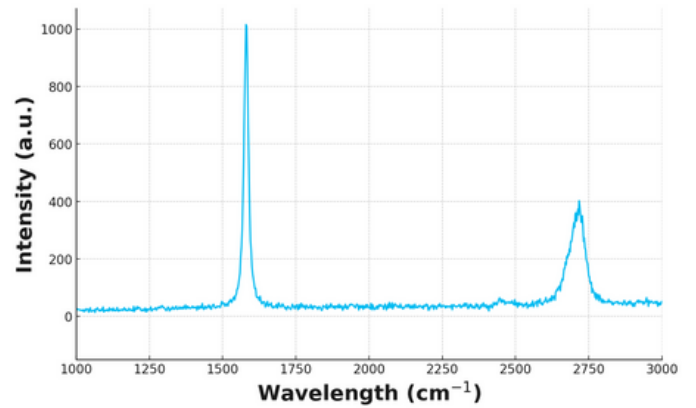
SEM Image



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 or contact us at sales@generalgraphenecorp.com.