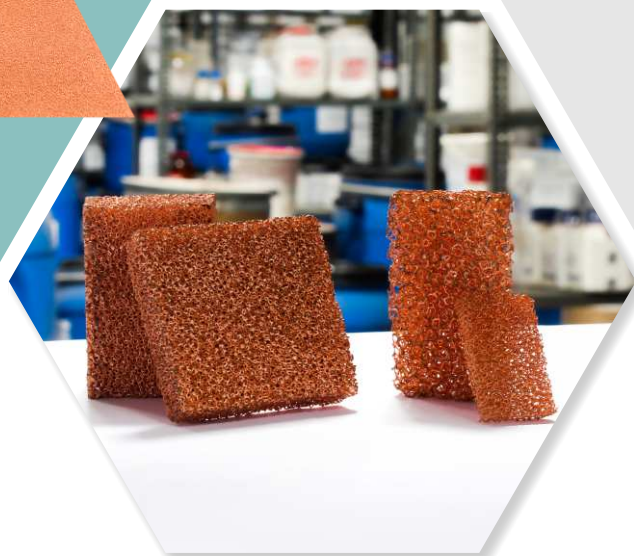
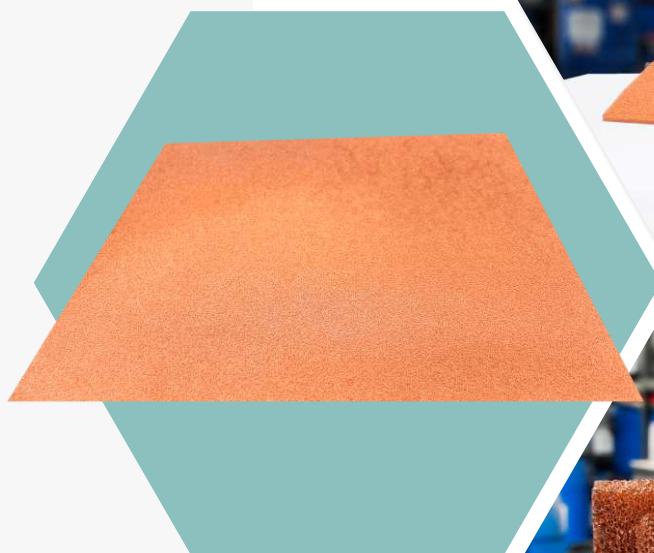




Metallic Copper Foamposite

Cu

>99.8%



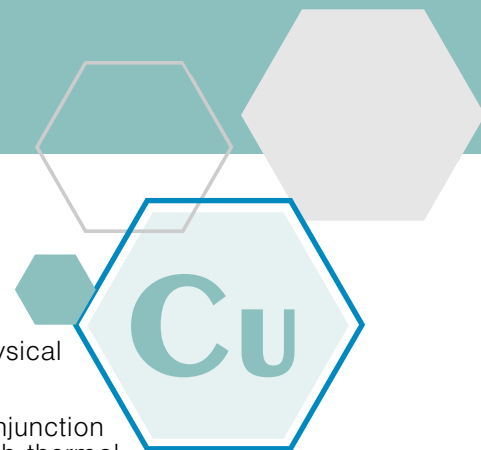
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NS6130-10-1007

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Metallic Copper Foamposite



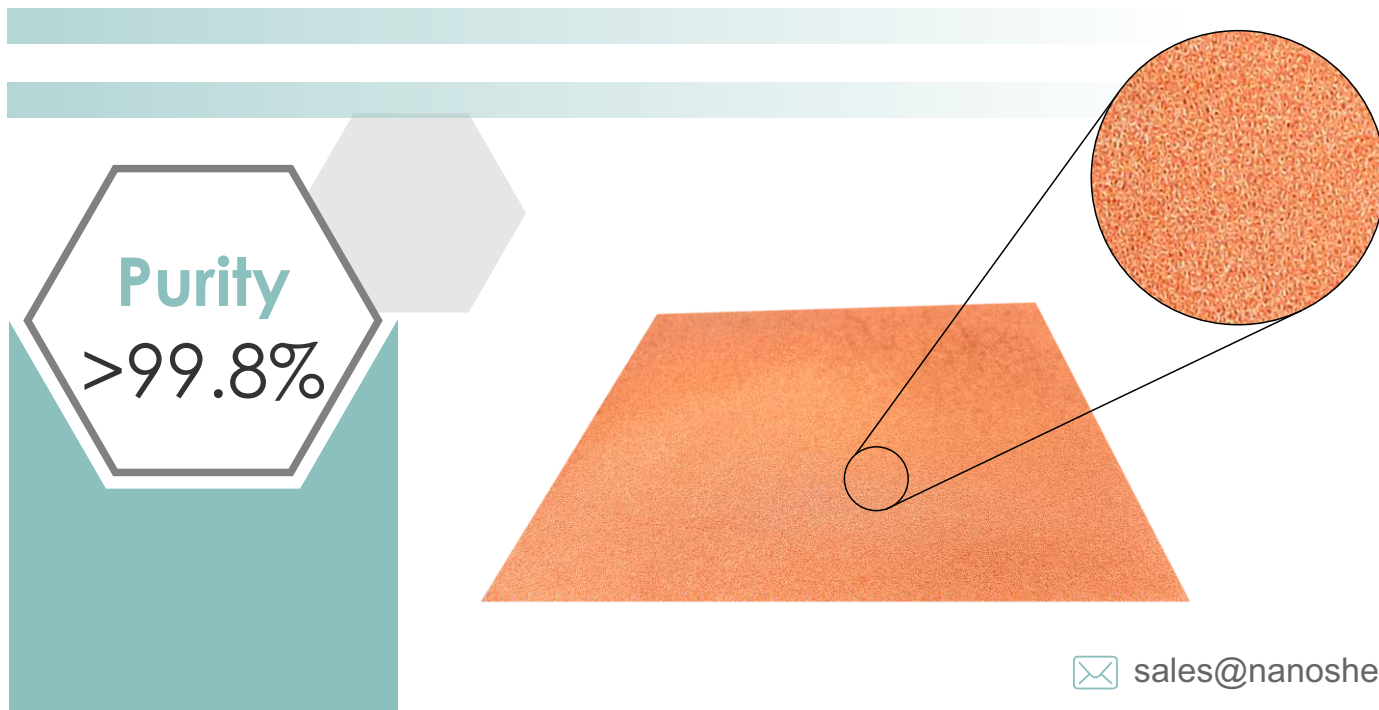
- Metal foams are a new class of materials with low density and novel physical (thermal and electrical), mechanical and acoustic properties.
- It possesses unique characteristics such as low density, high stiffness in conjunction with very low specific weight and high gas permeability combined with high thermal conductivity.
- This material have the potential in industrial applications such as porous electrodes in rechargeable batteries, fuel cells, heat exchangers, catalytic substrates for chemical reactions and filtration applications.
- For such applications, the pore structure is considered a key factor for the sustainable design of high performance porous components and should therefore exhibit a high degree of porosity uniformity and controllable porosity distribution.

Additional Characteristics

Stock No.	Purity	Thickness	Dimension
NS6130-10-1007	>99.8%	2mm	500mm X 500mm X 2mm

Technical Specification

Porosity	:	>70%
Molecular Weight	:	63.55g/mol
Density	:	8.96g/cm ³
Melting Point	:	1085°C
Boiling Point	:	2562°C



Metallic Copper



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Applications Of Metallic Copper Foamposite

- Rechargeable batteries
- Fuel cells
- Heat exchangers
- Catalytic substrates for chemical reactions
- Filtration applications
- Used in clothes
- Shielding materials
- Silencer

Silencing and shielding materials

The sound wave is diffusely reflected on the surface of the foamed copper, and the sound-absorbing effect is achieved by the principles of expansion and silencing, micro-hole silencing, etc. The shielding performance of copper is close to that of silver, and it is excellent electromagnetic shielding material.

Filter material

The excellent structural characteristics of foam metal copper products which are basically harmless to the human body so this material has also been successfully utilized as medical filter materials. At the same time, the copper foam is employed in water purification devices.

ISO 9001:2015
CERTIFIED COMPANY



2021CE4589C



192AZG01274G



2021CE4588M

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