

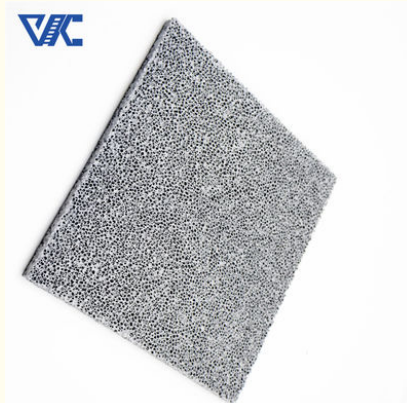


Customized Size Nickel Metal Foam Sheet Porous Battery Electrode Material Metal Foam Nickel

Our Product Introduction

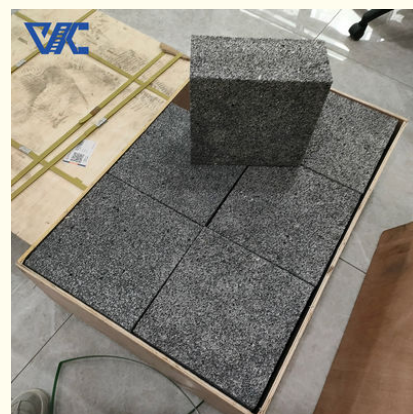
Basic Information

- Place of Origin: China
- Brand Name: Victory
- Model Number: Nickel Foam
- Minimum Order Quantity: 500
- Price: Negotiable
- Packaging Details: Spool package with Carton box, Coil package with polybag
- Delivery Time: 5-21 days
- Payment Terms: L/C, T/T, Western Union, MoneyGram
- Supply Ability: 300 tons per month



Product Specification

- Product Name: Nickel Foam
- Material: Nickel
- Density: 0.1-0.8g/cm³
- Performance: Sound-absorbing
- Melting Temperature: 560-700°C
- Feature: High Impact Absorption Ability
- Purity: 97%
- The Aperture: 0.2mm-8mm (50-130ppi)
- Size: Request
- Application: Battery, Filter, Sound Absorbing
- Specific Surface Area: ≥ 10 /g
- Highlight: **Pure Nickel nickel metal foam, nickel metal foam Sound Absorbing, 98% porous nickel foam**



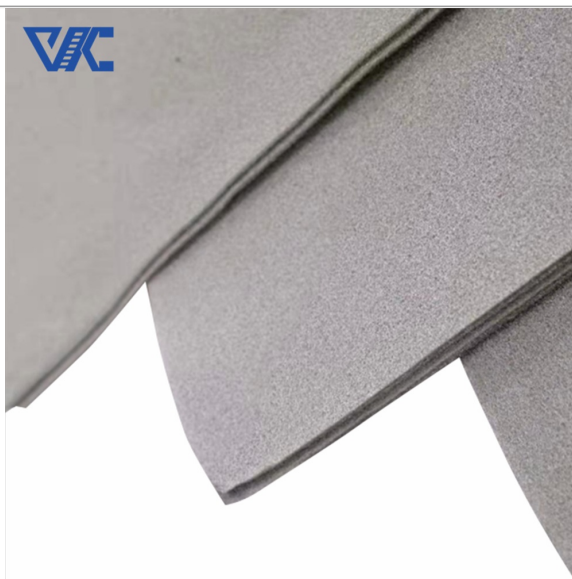
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Product Description

Introduction:



With its interconnected nickel strands and porous structure, nickel foam offers a myriad of applications. It excels in catalysis, filtration, and energy storage, thanks to its high surface area. Additionally, its conductivity and thermal properties make it a valuable material in industries such as aerospace, automotive, electronics, and environmental engineering.

Characteristic:

1. Porous structure: Nickel foam has a connected porous structure, with a porosity usually between 80-95%. This porous structure gives nickel foam a large surface area, which is beneficial for surface-related applications such as adsorption, catalysis and reaction.

2. Lightweight and high strength: Although nickel foam has a relatively low density, it has excellent lightweight and high-strength properties due to its porous structure. This makes nickel foam advantageous in applications

requiring a strength-to-weight ratio.

3. Conductive properties: Nickel foam has good electrical conductivity and can be used as a conductive material. It has a wide range of applications in batteries, energy storage equipment and electromagnetic shielding.

4. Thermal stability: Nickel foam has good thermal stability and can maintain its structure and performance in high temperature environments. This makes it suitable for applications requiring high temperature resistance properties such as thermal isolation, heat dissipation and catalytic reactions.

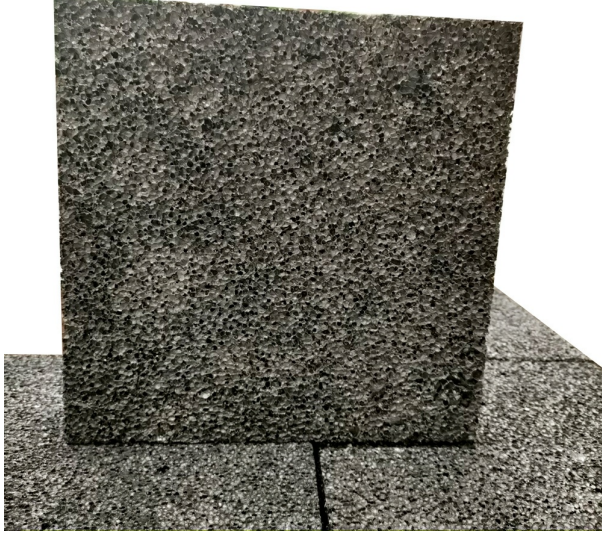
5. Controllable pore structure: The pore structure of nickel foam can be controlled by adjusting the preparation process. This tunable pore structure allows nickel foam to meet the needs of different applications, such as different filtration levels or sound absorption properties.

6. Corrosion resistance: Nickel foam has good corrosion resistance and can work stably for a long time in some corrosive environments.

7. Recyclable: Nickel foam is a renewable material that can be recycled and reused. This contributes to environmental protection and sustainable use of resources.

Parameter:

Material	Nickel Foam
Purity	> 99.99%(excellent anti-corrosive)
Surface Density	346g/m ²
Length	1m
Width	300mm
Thickness	1.6 mm
Net weight	104g
Porosity	≥95% (80-110 Pores per Inch. average hole diameters about 0.25mm)
Extensibility	Lengthwise≥5%; Widthwise≥12%
Tensile Strength	Lengthwise≥1.25N/mm ² ; Widthwise≥1.00N/mm ²



contact us
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Oem service:
Welcome customized size
We are experience factory for OEM&ODM service

0.1mm*200mm*300mm	0.2mm*200mm*300mm	0.3mm*200mm*300mm
0.5mm to 1.7mm*200mm*300mm	2mm*200mm*300mm	3 to 4mm*200mm*300mm
5mm*200mm*300mm	6mm*200mm*300mm	8mm*200mm*300mm
10mm*200mm*300mm	10 to 20mm*200mm*300mm	The size can be customized

FAQ:

What are the advantages of nickel foam compared with other porous metal materials?

Compared with other porous metal materials, nickel foam has a higher specific surface area, lower density and better electrical conductivity.

What is the thermal conductivity of nickel foam?

Nickel foam has relatively low thermal conductivity, which makes it advantageous in certain thermal isolation and heat dissipation applications.

What shapes and sizes can nickel foam be used to prepare?

Nickel foam can be prepared into sheets, blocks, tubes and other shapes, and different sizes can be controlled by adjusting the preparation conditions.



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