

## Product Description: OFOLAN Nickel Mesh Products

### Key Specifications:

- **Wire Diameter:** Fully customizable to meet specific application requirements.
- **Size:** Available in customizable dimensions for versatile use.
- **Density:** 8.9 g/cm<sup>3</sup>
- **Melting Point:** 1453°C

### Core Features:

Our nickel mesh products are engineered to deliver exceptional performance across demanding industries, with standout properties including:

- **Mechanical & Electrical Advantages:** Excellent weldability, high electrical conductivity, and a suitable linear expansion coefficient, ensuring compatibility with diverse manufacturing processes.
- **Thermal & Electrical Efficiency:** Maintains good strength at high temperatures and features low resistivity, making it ideal for high-heat and electrical applications.
- **Superior Corrosion Resistance:** Resists corrosion from alkaline solutions, alkaline/neutral/acidic salt solutions (e.g., carbonates, nitrates,

chlorides, acetates), fatty acids, and remains stable in air, fresh water, and seawater.

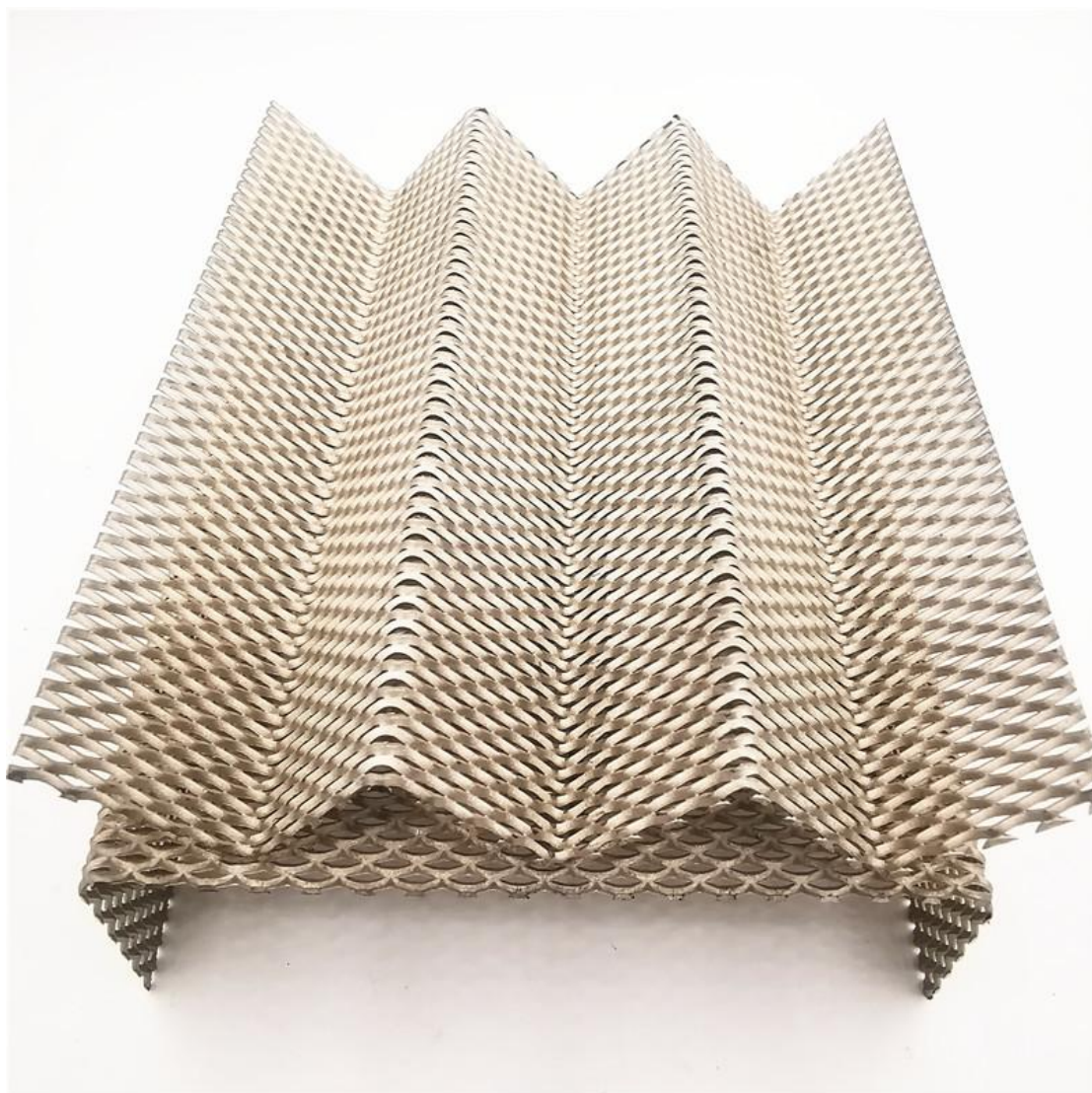
**Application Scope:**

Widely utilized in critical sectors requiring reliability and durability, such as:

- **Energy & Electronics:** High-end battery nets, electrode nets, current collection nets, and hydrogen production systems.
- **Aerospace & Defense:** Aerospace components, military rockets, and precision equipment.
- **Industrial & Manufacturing:** Shipbuilding, chemical machinery, vacuum high-pressure equipment, and electronic instruments.
- **Environmental & Medical:** Seawater desalination, water treatment, and medical field applications.
- **Chemical Processing:** Chlor-alkali chemical industry, organic chloride production, and high-temperature halogen environments.

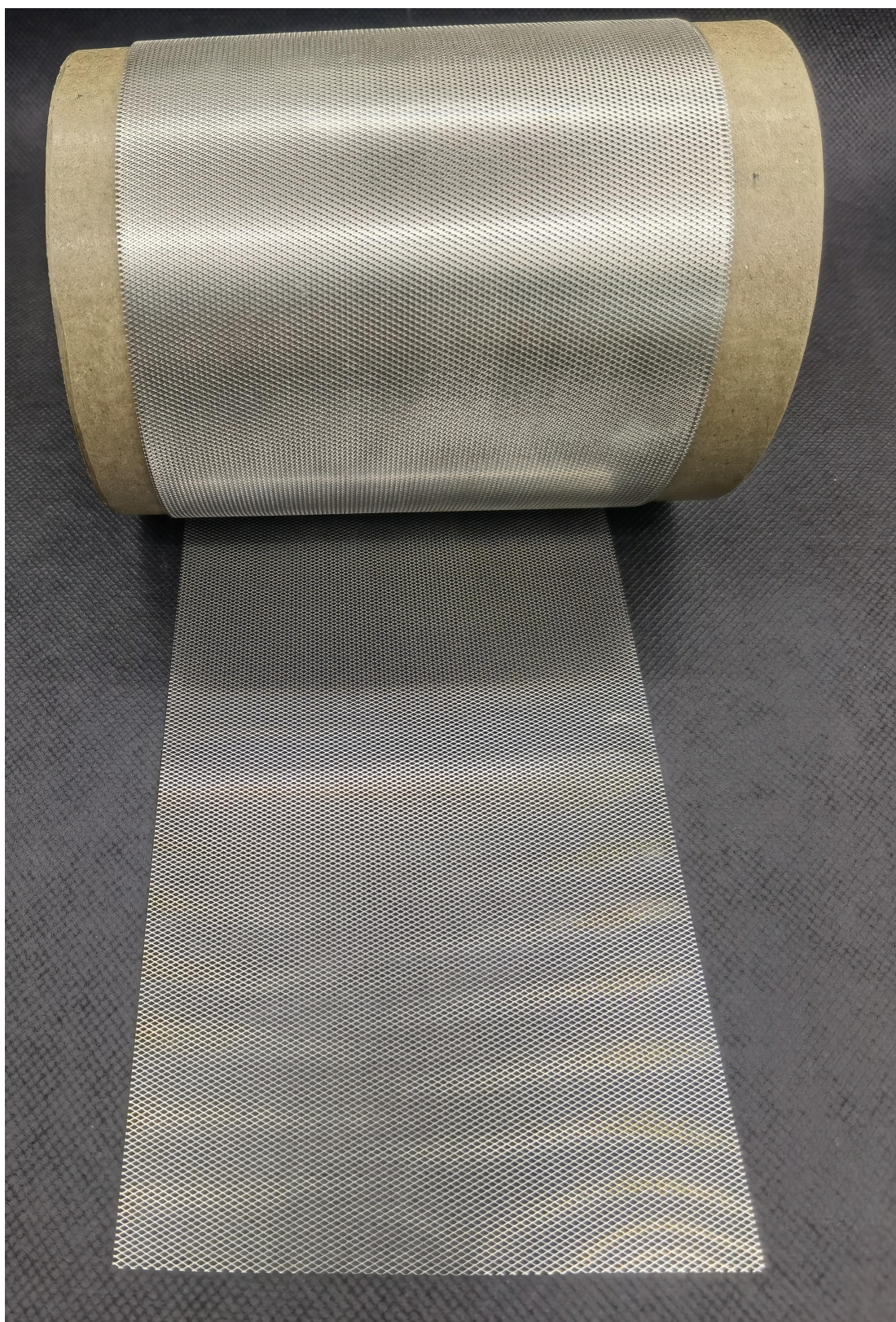
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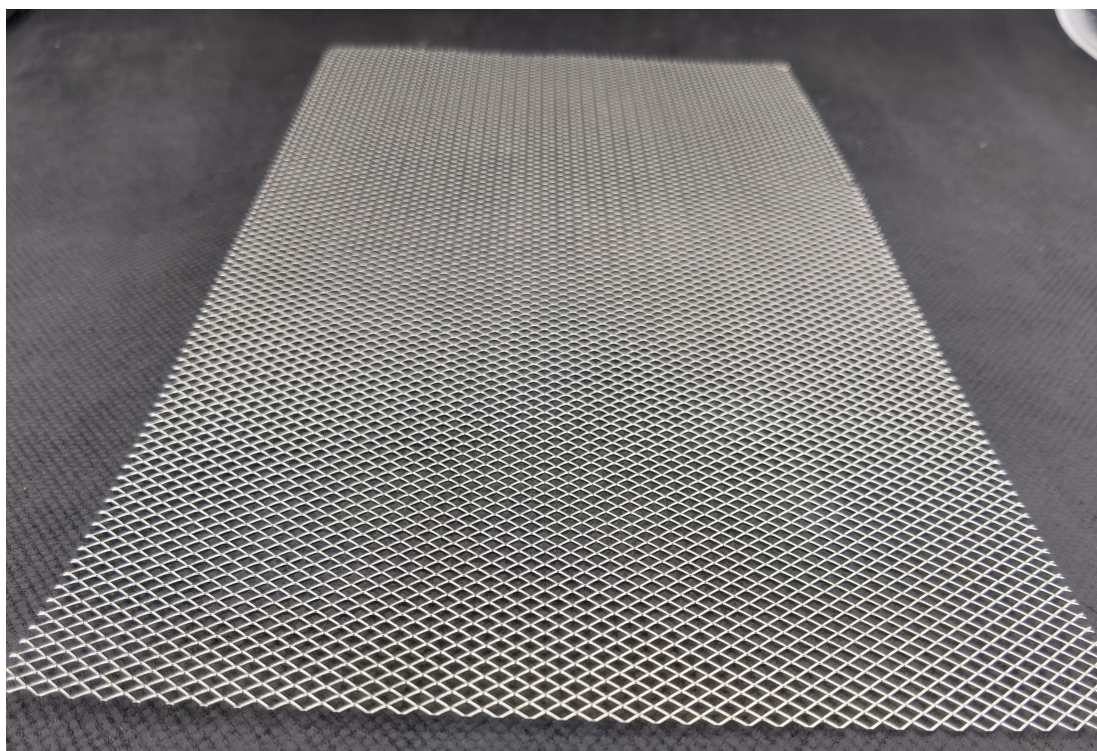


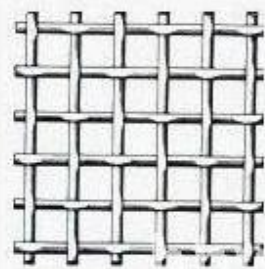
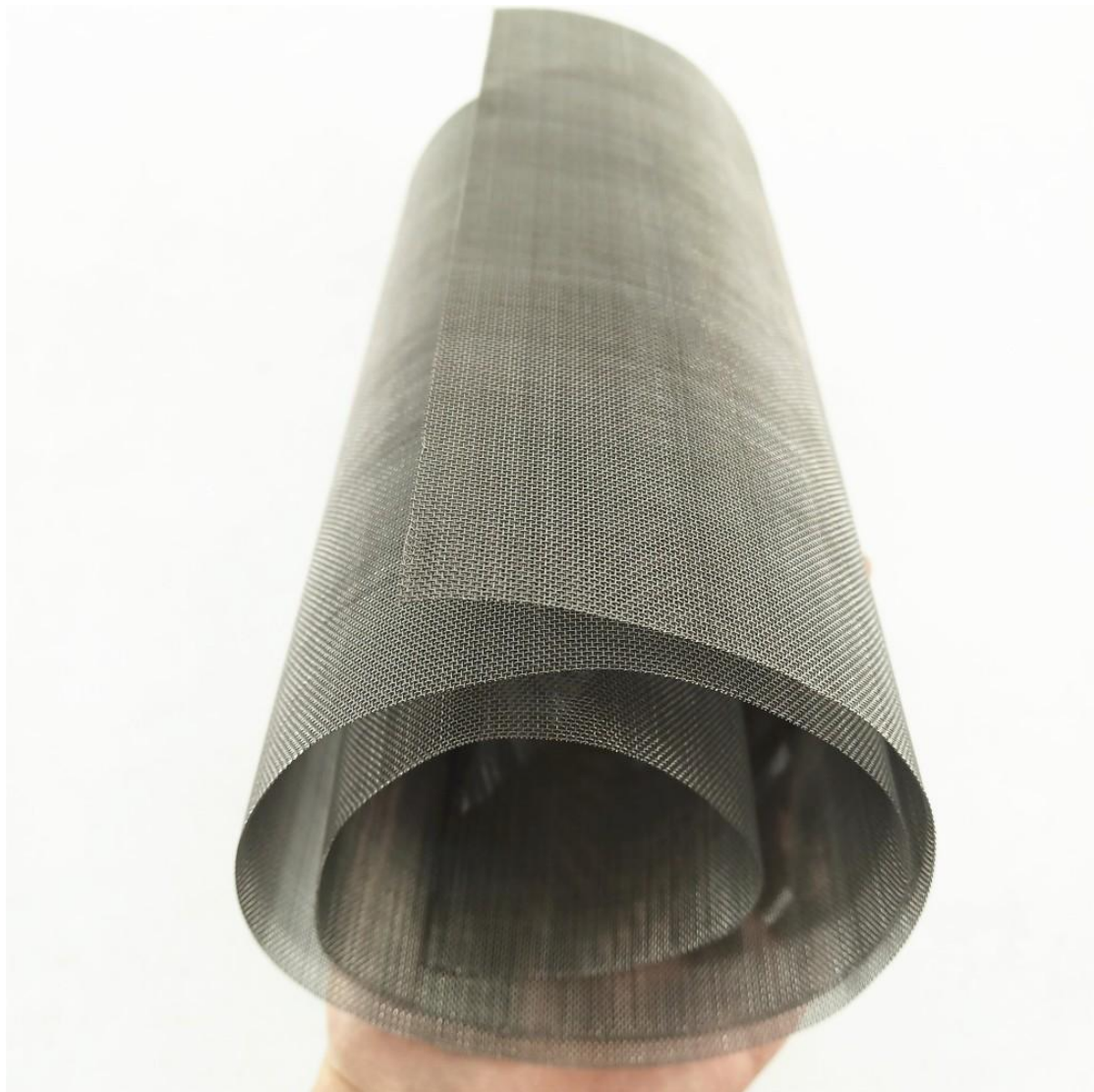




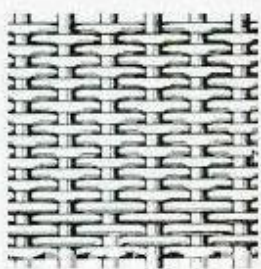




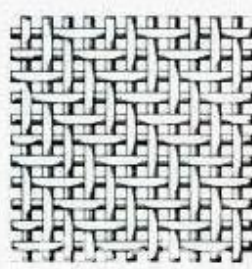




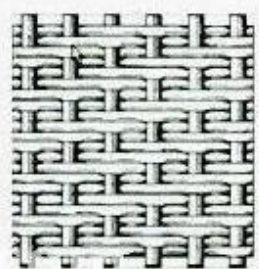
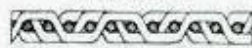
Plain



Dutch



Twilled



Twilled Dutch







# OFOLAN



Anping Oufulang Metal Wire Mesh Manufacturing Co., Ltd. is a comprehensive company that integrates scientific research, production, processing, and trade, specializing in titanium, nickel, tungsten, molybdenum, zirconium, tantalum, niobium wire materials and wire mesh products.

Our company has always regarded technology and innovation as the key to enterprise development. We have introduced and developed ultra wide web weaving machines, which can produce stainless steel wire mesh with a width of 6 meters (materials: SUS302 304 316 316L, 2205904L, 254SMO, etc.), and the market prospects are broad; The 150 mesh high-purity titanium mesh developed by the company commissioned by China Ordnance Industry Group 208 has advantages such as acid and alkali resistance, corrosion resistance, etc., and has been recognized and praised by experts from China Ordnance Industry Group 208; The 300 mesh high-purity molybdenum mesh developed by the company can withstand temperatures up to 2400 °C and has been successfully applied in the high-pressure vacuum equipment of the 33rd Institute of China Electronics Technology Group; After more than a decade of development, the company has established long-term cooperative relationships with dozens of domestic universities, research institutions, and mechanical equipment manufacturing units, and has become a supplier of experimental materials to Nanjing University and Beihang University.



# EXHIBITION



# CERTIFICATE



Obtained utility model patents through international certifications such as ISO9001, and is an AAA rated credit enterprise.

## Introduction to the company

Titanium Mesh,Nickel Mesh,Tungsten Mesh,Molybdenum Mesh,Zirconium Mesh,Tantalum Mesh,Silver Mesh,Platinum Mesh,Inconel Alloy 600/601/625 Wire Mesh,Hastelloy AlloyC-276/22 Wire Mesh,Monel400/500 Wire Mesh,UNS31254,S31803,NO8904,AISI304,316L,317L Stainless Steel Wire Mesh,etc

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**OFOLAN WIRE MESH®**