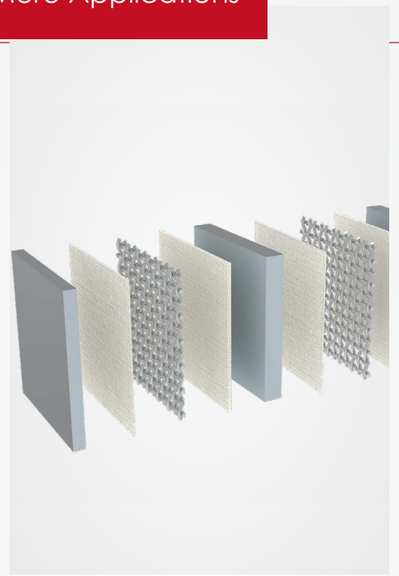
More Applications



Fuel Cell

Fuel cells are electrochemical devices that convert the chemical energy of a fuel into electricity through chemical reactions. Generally, a fuel cell consists of two electrodes, that is, anode and cathode. Nickel woven mesh is commonly used as anodes and cathodes in fuel cells as it has excellent corrosion resistance performance and can produce a passive oxide film to protect it from the oxidation process. We offer nickel woven mesh in a variety of specifications and shapes to meet the demands of your specific applications.

Benefits for sieving

✓ Excellent corrosion resistance
✓Precise filtration rates
✓Low pressure loss
✓Great heat resistance
✓Good conductivity

Specification

Material: Nickel 200.
Woven type: Plain weave and twill weave.
Mesh count: 10–300 mesh
Wire diameter: 0.04–0.6 mm
Width: 0.6–1.6 m
Length: 10–100 m

Mesh Count	Wire Diameter (mm)	Aperture (mm)	Maximum Width (m)
10	0.60	1.94	1.60
20	0.40	0.87	1.60
30	0.30	0.55	1.60
40	0.23	0.40	1.60
50	0.20	0.31	1.60
60	0.15	0.27	1.60
70	0.12	0.24	1.60
80	0.13	0.19	1.60
90	0.12	0.16	1.60
100	0.10	0.15	1.60
120	0.09	0.12	1.60
150	0.063	0.11	1.60
180	0.053	0.01	1.60
200	0.053	0.07	1.60
250	0.040	0.063	1.60
300	0.040	0.044	1.60

Applications

- Transportation
- Stationary power
- Portable power
- Emergency backup power

Transportation

Stationary power

Portable power

Emergency backup power