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(“连续化带状泡沫镍”产品需求请联系: sales@lyrun.com)

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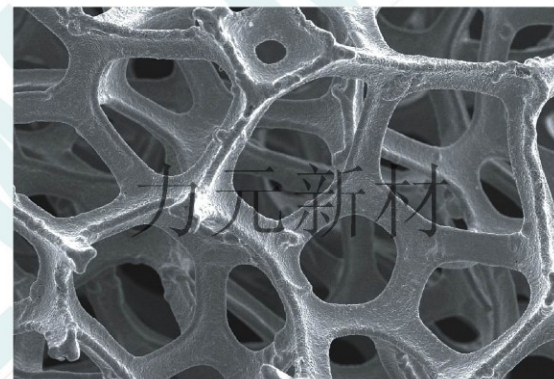
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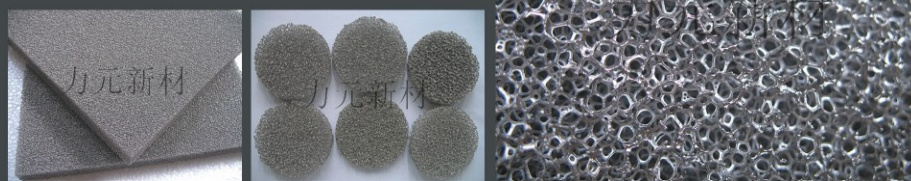
(Please contact sales@lyrun.com about "Continuous Band-shaped Nickel Foam")

产品目录 PRODUCT CATALOG



Fe-Ni Foam

泡沫铁镍



基本参数 Basic Specification

孔数 Number of pores per inch (PPI)	5-120
体密度 Density (g/cm ³)	0.15-0.45
厚度 Thickness (mm)	0.5-25
孔隙率 Porosity	90%-98%
常规尺寸 Standard size (mm)	≤500 * 500 (更大尺寸需提前沟通 larger size should be discussed in advance)

性能特点 Feature

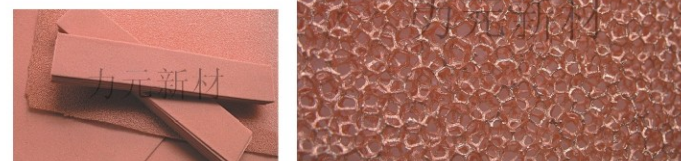
- 1 耐高温700度以上，耐酸碱等腐蚀
Stand high-temp over 700° and acid-base corrosion resistance capacities
- 2 通透性好，孔隙结构均匀，机械强度高
Good permeability, even porosity and excellent mechanical strength
- 3 容尘量高，有利于多层立体过滤
Good dust containing capacity for multilayers' and tridimensional filtration

应用领域 Application

- 1 柴油、汽油发动机的尾气过滤载体材料
Off-gas cleaner carrier materials for diesel / patrol engines
- 2 冶金、化学工程以及工业废气过滤（如铝水过滤及工业油雾过滤）、厨房油烟等民用过滤
Metallurgy, chemical engineering & industrial waste gas filtration (such as aluminium liquid filtration and industrial oil mist filtration);
civill filtration such as kitchen and smoke filtration
- 3 各种工业及民用红外燃烧器的布气层材料
Gas distribution material on various industrial and civil infrared inflamer

Copper Foam

泡沫铜



基本参数 Basic Specification

孔数 Number of pores per inch (PPI)	5-120
体密度 Density (g/cm ³)	0.15-0.45
厚度 Thickness (mm)	0.5-30
孔隙率 Porosity	90%-98%
常规尺寸 Standard size (mm)	≤500 * 500, (4mm以下可制作成卷材，更大尺寸需提前沟通) (Thickness under 4mm can be made into roll shape. Other larger size should be discussed in advance)

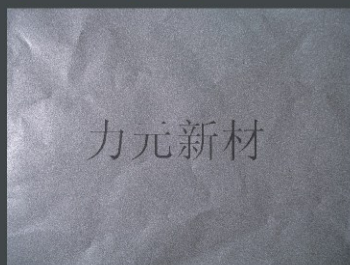
性能特点 Feature

- 1 机械性能及加工性能好 Excellent mechanical property and processability
- 2 具有优良的电及热传导性能 Extraordinary electricity and heat conductivity
- 3 材料内部具有大量的三维立体网状结构 Massive three-dimensional network structure
- 4 兼具金属铜本身的耐碱腐蚀性 Excellent base & corrosion resistant ability
- 5 较好的电磁屏蔽及消声减震性能 Magnificent electromagnetic shielding ability
- 6 较好的抗拉强度及延展性 Superior tensile strength and favorable ductility

应用领域 Application

- 1 CPU、显卡及LED等电子元器件的传热、散热及热交换材料 Heat diffusion,dissipation and exchange materials for electronic components such as CPU,display card and LED etc.
- 2 锂离子、镍氢电池或燃料电池电极材料 Electrode material for batteries, such as lithium ion battery, fuel cell, nickel-zinc battery and so on
- 3 电磁屏蔽材料 Electromagnetic shielding materials
- 4 催化剂及其载体材料 Catalyst and its carrier material
- 5 各种初效、中效及亚微米级过滤材料 Various initial-efficiency, intermediate-efficiency and sub-micron filtration
- 6 建筑装饰材料 Decoration materials for construction

Special Nickel Foam 特种泡沫镍



基本参数 Basic Specification

孔数 Number of pores per inch (PPI)	5-120
体密度 Density (g/cm ³)	0.15-0.45
厚度 Thickness (mm)	0.5-30
孔隙率 Porosity	90%-98%
常规尺寸 Standard size (mm)	≤500 * 500 (更大尺寸需提前沟通 larger size should be discussed in advance)

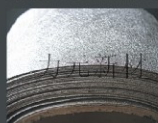
性能特点 Feature

- 1 机械强度高、耐酸碱腐蚀 Excellent mechanical strength with various acid-base corrosion resistances capacities
- 2 通透性好、孔隙结构均匀 Good permeability and even porosity



应用领域 Application

- 1 贵金属回收 Precious metals recycling
- 2 新型二次电池的电极材料 Electrode material for new rechargeable batteries
- 3 工业油雾过滤、除臭、催化剂及其载体 Industrial oil mist filtration, deodorization, catalyst and its carrier



Electrical Conductive Foam 导电海绵



基本参数 Basic Specification

厚度 Thickness	基材 Base material	电阻 Electrical resistance	屏蔽效能 Shield effectiveness
1mm	聚氨酯海绵 Polyurethane foam	0.005-0.05 Ω/sq	60-80dB
1.5mm	聚氨酯海绵 Polyurethane foam	0.005-0.05 Ω/sq	60-80dB
2mm	聚氨酯海绵 Polyurethane foam	0.005-0.05 Ω/sq	60-80dB
3mm	聚氨酯海绵 Polyurethane foam	0.005-0.05 Ω/sq	60-80dB

产品结构 Structure

双面镀膜 double-side membrane plating



金属底层 metallic plating layer
海绵 PU foam



应用领域 Application

- 1 导电布与导电海绵相结合，可以制作成各种的电磁密封衬垫，例如门的密封、面板与机壳、机柜工机箱间的密封以及与其它设备壳体间的密封
The structure combination of electric conductive cloth and electric conductive foam makes it can be produced to kinds of electromagnetic seal pad,such as sealing of the door,surface panel and between the casing shape,cabmet and mainframe-box, and other device shapes.
- 2 计算机、LCD显示器、激光打印机、高速复印机、通讯设备、移动电话、卫星通信、医疗设备、高压机测试、仪器仪表、垫片/隔板、插板电子产品、防震导电的包装
Packing materials for computer, LCD monitor, laser printer, high-speed copier, communication equipment, mobile phone, satellite communication equipment, high-pressured testing instrument, gasket / pad and flashboard electronics

Other Metal Alloy Foams 其它泡沫金属合金材料

性能特点 | Feature

- 1 耐高温最高可达1000° 以上，比表面积最高可达900万每立方米，抗压强度可达5Mpa
Stand high temperature highest over 1000° with 9 million per cubic meter specific surface and compressive resistance over 5Mpa
- 2 耐强酸、强碱腐蚀
Acid-base corrosion resistances
- 3 通透性好，气阻低，孔隙结构均匀有利于布气
Good permeability and low air-resistance, the even porosity structure for gas distribution
- 4 既保证通透性又能大面积的过滤
Ensure the permeability and large area filtration
- 5 表面的微孔与介孔结构有利于催化剂附着
The surface structure combined with millipore and mesopore is good for catalyst adhered
- 6 金属基材导热性能好，抗热震性能优良，机械强度高不易碎，使用寿命长
Heat conducting of the metallic base material, good heat-resistance and vibration-absorption capacity, breakage-proof and long performance life

应用领域 | Application

- 1 尾气净化器载体、颗粒捕集器 Off-gas clean carrier and particle catcher
- 2 工业高温、强腐蚀环境下的过滤 Filtration under of industrial high-temp and corrosion situation
- 3 红外燃烧器面板 Surface panel on the infrared flamer



泡沫镍铁铬 / 泡沫镍铬
Fe-Ni-Cr foam / Ni-Cr foam



铁镍碳化硅
Fe-Ni-SiC foam



泡沫镍钨
Ni-W foam



泡沫铜镍
Cu-Ni foam

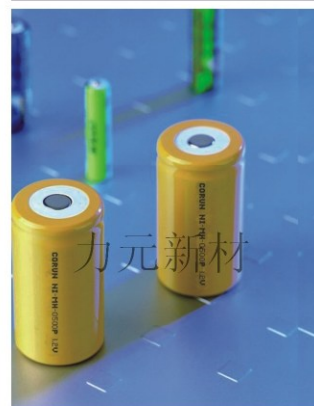
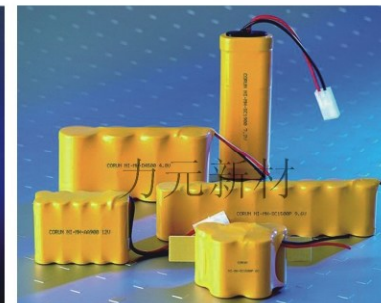
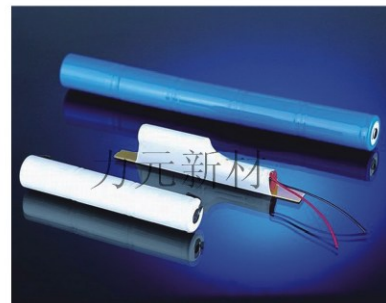
Continuous Band-shaped Nickel Foam

连续化带状泡沫镍



基本参数 | Basic Specification

孔数 Number of pores per inch (PPI)	80-130					
面密度 Density (g/m ²)	≥ 180					
厚度 Thickness (mm)	≤ 2.5					
宽度 Width (mm)	≤ 1000					
颜色 Color	银白色 silvery white					
抗拉强度 Tensile strength (N/20mm)	纵向 longitudinal ≥ 30	横向 transverse ≥ 20				
延伸率 Elongation (%)	纵向 longitudinal ≥ 5	横向 transverse ≥ 12				
电阻率 Electric resistivity (mΩ/100mm*10mm)	纵向 longitudinal ≤ 65	横向 transverse ≤ 85				
包装规格 Package specification (m/roll)	100-300					
化学成分 Chemical composition (wt%)	铜Cu	碳C	硅Si	铁Fe	硫S	镍+钴Ni+Co
	≤ 0.010	≤ 0.020	≤ 0.005	≤ 0.010	≤ 0.005	余量 balance
备注 Remarks	可根据客户要求提供产品 Customized products available					



应用领域 | Application

- 1 电池电极材料，特别用于Ni-MH电池，这种可充电电池广泛应用于手提电脑、手机、电动踏板车、电动自行车、混合动力汽车、电动工具、高档玩具等
Battery electrode materials, particular for the Ni-MH battery which can be widely used in portable computers, mobile phones, electric scooter, electric bicycles, hybrid electric vehicles, electric tools and high-grade toys etc
- 2 熔融碳酸盐燃料电池的电催化剂、用于质子交换膜产电池 (PEMFC) 的两极板改性材料、固体氧化物燃料电池 (SOFC) 的电极中继线、电解中电极材料 (如在水电解环境中)
Electro-catalyst for molten carbonate fuel cell; Bipolar plate modification materials for Proton Exchange Membrane Fuel Cell (PEMFC); Electrode relay feeder of Solid Oxide Fuel Cell (SOFC); electrode material in electrolytic (such as in the environment of water solution)
- 3 汽车催化剂转换器、催化燃烧、柴油车黑烟净化器的催化剂载体
Catalyst carriers on the car catalyst converters, catalytic combustion and smoke purifier of diesel vehicle
- 4 滤器材料，处理流体中磁性粒子的磁流导体
Filter material, deal with magnetic flux conductor in the fluid particles
- 5 其它应用于储氢媒介、热交换媒介等
Hydrogen-storage medium, heat exchange medium and so on