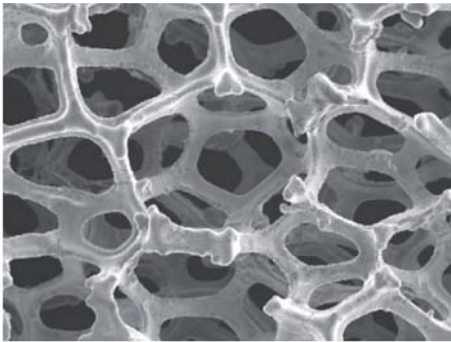


CELMET[®]

Porous Metal

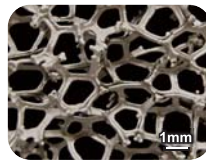


Celmet[®] is highly porous metal used for many applications from Ni-MH battery to heat exchanger. Material and porosity can be chosen to accommodate to your various needs in the industry.

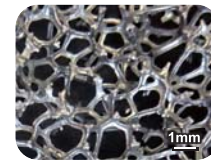
Features

- Large relative surface area
- High porosity(max.98%)
- Three-dimensional mesh structure (continuous pores)
- High purity
- Easy to cut and compress

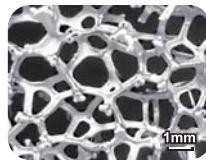
Materials



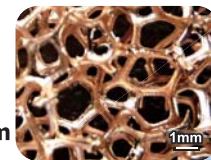
Nickel



Nickel-Chromium alloy



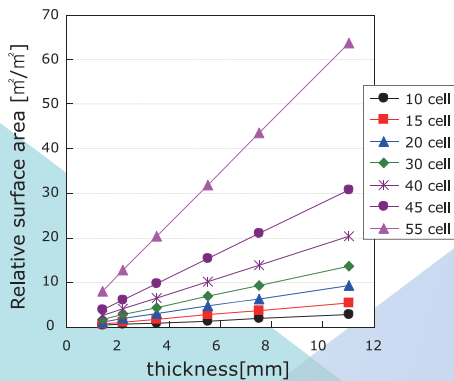
Aluminum



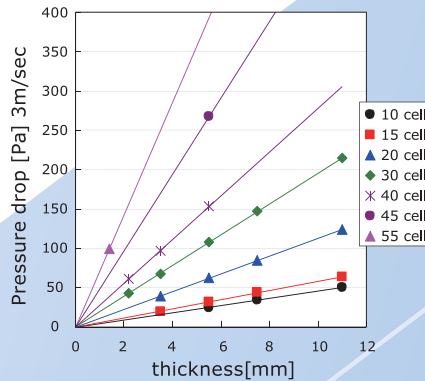
Copper

Characteristics

Relative surface area



Pressure drop



Relative surface area and pressure drop are controllable by cell aperture diameter and thickness.

Application

Features	Application	Materials
High heat conductivity	<ul style="list-style-type: none"> ■ Heat radiation fin ■ Heat sink <ul style="list-style-type: none"> • Air conditioner • Automobile • Electronics 	Al, Cu
High conductivity	<ul style="list-style-type: none"> ■ Current collector for energy storage devices • Ni-MH battery(Ni) • Lithium ion battery(Al, Cu) <ul style="list-style-type: none"> • Fuel cell(Ni-Cr) • capacitor(Al, Cu) 	Ni, Ni-Cr, Al, Cu
Electromagnetic wave shielding	<ul style="list-style-type: none"> ■ Electromagnetic wave shielding materials 	Ni, Al, Cu
Filter	<ul style="list-style-type: none"> ■ Various filters 	Ni, Ni-Cr, Al, Cu
Catalyst carrier	<ul style="list-style-type: none"> ■ Photocatalyst carrier <ul style="list-style-type: none"> ■ Oxidation catalyst carrier 	Ni, Ni-Cr, Al, Cu
Lightweighting	<ul style="list-style-type: none"> ■ Lightweight structural materials 	Al