

INCOFOAM™

For Batteries, Fuel Cells, Catalysts and Filters

INCOFOAM™ High Volume Production in China

INCOFOAM™ is now produced by two Inco majority owned joint ventures, Inco Advanced Technology Materials (Dalian) Co. Ltd. and Inco Advanced Technology Materials (Shenyang) Co. Ltd. in China.

Both operations benefit from Inco's experience in the safe and efficient production of high-quality nickel special products.

Combined capacity of the two operations exceeds 3 million square metres per year.

INCOFOAM™ High Quality, Versatile Production

INCOFOAM™ is produced using the latest proprietary technology for Physical Vapour Deposition pre-coating and electroplating. The modern flexible production capability offers customers a wide range of continuous roll nickel foam products in a variety of nickel densities, widths, thicknesses, and pore sizes.

Battery and Fuel Cells

INCOFOAM™ is used in consumer and traction rechargeable batteries. Its high porosity, high conductivity and uniform pore structure result in batteries that are lighter and more energy-dense. INCOFOAM™ is finding applications in emerging fuel cell technologies.

Catalysts

Its porous, open structure combined with the catalytic properties of nickel make INCOFOAM™ an excellent choice for use as a catalyst or catalyst support.

Filters

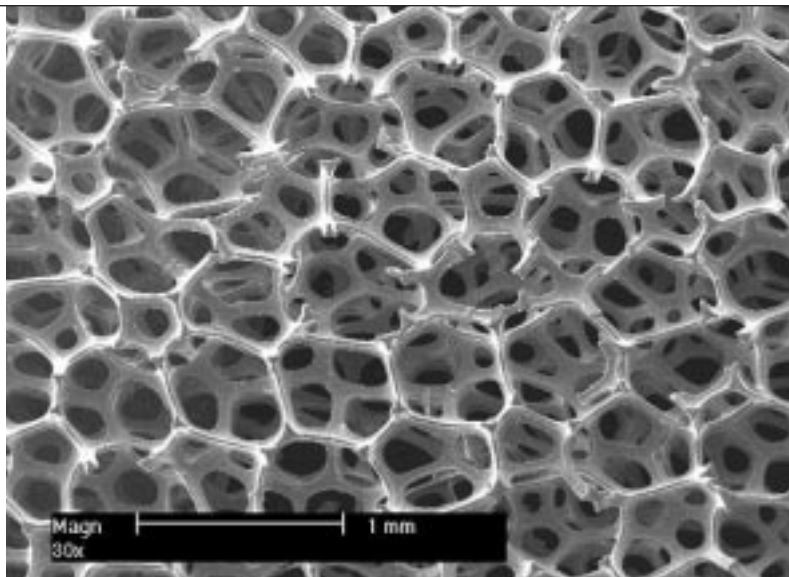
The strength, temperature and corrosion resistance of nickel make INCOFOAM™ suitable for use as a filter material.

Inco Limited and Inco Special Products:

- Inco Limited is a world nickel leader. We have been supplying special nickel products to the battery industry since 1960.
- Inco Special Products is a business unit of Inco Limited. We provide special nickel products sourced with nickel from our own mines.
- We are dedicated to complete customer service, nickel technology and ongoing investment in new production and research.
- We operate worldwide, with a strong record of supply and quality reliability.
- We are always pleased to discuss new products and new applications with potential customers.

Visit our web site:

www.incosp.com



Sizes Available: Typical

Width – 80 – 940 mm
Coil Length – 220 – 240m
Thickness – uncalendared 1.4 – 2.0mm,
calendared 1.2 – 1.9mm

Physical Properties: Typical:

Density – 300 – 600 g/m²
Cell Size – 450 – 800 μm

Tensile Properties: Transverse: Longitudinal

For foam of density 380 g/m² and 1.7mm thickness:

	Transverse	Longitudinal
Strength, N/ 20 mm	30	35
Elongation, %	>10	>5

This product is part of a complete range of Inco Special Nickel Products. The range includes: fine and extra fine nickel powders of many different morphologies, nickel coated graphite particles, INCOFOAM™ high porosity nickel foam, nickel oxides and flakes.

INCO **special products**

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