

Inco Type 255 Filamentary Nickel Powder

Inco Filamentary Powders are Pure & Precise

Inco's filamentary powders are a unique highly pure form of nickel, developed through and produced by Inco's own technology. They have a characteristic three-dimensional chain like network of fine or extra fine particles, produced to very tight property tolerances.

Type 255 for sintered electrodes (The World Standard)

Sintering with Type 255 enables the formation of sintered nickel electrodes with controlled, high porosity. The high surface area created allows rapid diffusion during sintering. Electrode structures with very fine pores are thus produced which yields high conductivity and long battery life.

Type 255 - Other Uses

The unique structure of the powder allows for its use as hard metal binder in powder metallurgy, in fillers, and in industrial paints.

Inco Special Products:

- We are a business unit of Inco Limited, the World's Leading Nickel Company. 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 on a worldwide basis 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



Typical Physical Properties

Filamentary Fine

Powder Type

255

| | |
|---|-------------------------------------|
| Average Particle Size (Fisher Sub-Sieve Sizer) | ASTM B330 = 2.2 - 2.8 μm |
| Apparent Density (Scott Volumeter) | ASTM B329 = 0.50 - 0.65 g/cc |
| Specific Surface Area (BET) | SSA = 0.7 m ² /g |

Note: Custom Specifications are available.

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, INCOFIBER™ nickel coated carbon fibers, INCOSHIELD® thermoplastic concentrate, nickel oxides and nickel flakes.

inco special products

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