Eata Battery

Silver-Clad Nickel Mesh

Catlog Number: BMBCC-0091

Description

Composite mesh combining the high catalytic activity of silver with the mechanical durability of nickel for high-power alkaline cells.

Basic Information

Substrate Material: Nickel (Core)

Purity (%): ≥99.6

Thickness (μm): 150 (Wire)

Width (mm): 100

Areal Density (g/m²): 550 - 600

Tensile Strength (MPa): ≥320

Elongation (%): ≥10.0

Surface Finish: Silver Clad

Surface Roughness (Ra, μm): 100 Mesh

Electrical Resistivity (Ω·m): 1.6×10^{-8}

Thermal Conductivity (W/m·K): 400

Melting Point (°C): 961 (Ag)

Oxidation Resistance (Temp/Time): 300°C / 60min

Coating Type: Roll Clad

Coating Thickness (μm): 2.0 - 5.0

Core ID (mm): N/A

Standard Length (m): 2

Operating Voltage Range (V): 0.0 - 1.8

Application Compatibility: Ag-Zn / Ni-H2

Storage Requirements: Vacuum Sealed

Form Factor: Sheet

Hydrophilic Properties: Highly Catalytic

Compliance / Grade: Research Grade

Eata Battery delivers the world's battery makers a single, reliable source for every high-performance raw material—cathode to collector, catalyst to membrane—so you can design, scale and ship next-generation batteries faster.

Tel: 1-631-637-0420 | 1-631-533-0595
Email: info@eataray.com
Suite 103, 17 Ramsey Road, Shirley, NY 11967, USA