Eata Battery

Multi-Layer Graphene Coated Ni Foil

Catlog Number: BMBCC-0072

Description

Nickel foil enhanced with a multi-layer graphene coating to improve surface electronic conductivity and prevent chemical corrosion.

Basic Information

Substrate Material: Nickel

Purity (%): ≥99.9

Thickness (μm): 15

Width (mm): 110

Areal Density (g/m²): 130 - 135

Tensile Strength (MPa): ≥350

Elongation (%): ≥3.0

Surface Finish: Graphene Coated

Surface Roughness (Ra, μm): ≤0.30

Electrical Resistivity (Ω·m): <0.02 (Surface)

Thermal Conductivity (W/m·K): 90

Melting Point (°C): 1450

Oxidation Resistance (Temp/Time): 350°C / 60min

Coating Type: Graphene

Coating Thickness (μm): 0.1 - 0.5

Core ID (mm): 76

Standard Length (m): 10

Operating Voltage Range (V): 0.0 - 1.5

Application Compatibility: Molten Salt Cells

Storage Requirements: Vacuum Sealed

Form Factor: Roll

Hydrophilic Properties: Anti-Corrosive

Compliance / Grade: Laboratory Grade

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