Eata Battery

Cobalt-Plated Copper Foil

Catlog Number: BMBCC-0094

Description

Copper foil with a cobalt surface layer designed to improve the cycle life of silicon-carbon composite anodes.

Basic Information

Substrate Material: Copper (Core)
Purity (%): ≥99.9
Thickness (μm): 15
Width (mm): 200
Areal Density (g/m²): 135 - 140
Tensile Strength (MPa): ≥310
Elongation (%): ≥2.5
Surface Finish: Cobalt Plated
Surface Roughness (Ra, μm): ≤0.30
Electrical Resistivity (Ω·m): 2.1 x 10^{-8}
Thermal Conductivity (W/m·K): 360
Melting Point (°C): 1083 (Cu)
Oxidation Resistance (Temp/Time): 250°C / 45min
Coating Type: Cobalt (Co)
Coating Thickness (μm): 0.2 - 0.5
Core ID (mm): 76
Standard Length (m): 50
Operating Voltage Range (V): 0.0 - 2.5
Application Compatibility: Si-C Anodes
Storage Requirements: Vacuum Bag
Form Factor: Roll
Hydrophilic Properties: Interface Stability
Compliance / Grade: Research Grade

⚠ For Research or Industrial Raw Materials, Not For Personal Medical Use!

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