Eata Battery

Copper-Clad Aluminum (CCA) Foil

Catlog Number: BMBCC-0035

Description

Hybrid foil providing the surface electrochemical properties of copper with the weight advantages of an aluminum core.

Basic Information

Substrate Material: Cu/Al/Cu

Purity (%): Cu: 15% Vol

Thickness (μm): 15

Width (mm): 280

Areal Density (g/m²): 45.0 - 48.0

Tensile Strength (MPa): ≥190

Elongation (%): ≥1.5

Surface Finish: Shiny/Shiny

Surface Roughness (Ra, μm): ≤0.25

Electrical Resistivity (Ω·m): 2.1×10^{-8}

Thermal Conductivity (W/m·K): 280

Melting Point (°C): 660 (Al)

Oxidation Resistance (Temp/Time): 180°C / 30min

Coating Type: Roll-Clad

Coating Thickness (μm): N/A

Core ID (mm): 76

Standard Length (m): 100

Operating Voltage Range (V): 0.0 - 3.5

Application Compatibility: Lightweight Anodes

Storage Requirements: Low Humidity

Form Factor: Roll

Hydrophilic Properties: Dual Property

Compliance / Grade: Industrial 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.

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