Eata Battery

Tantalum-Clad Copper Foil

Catlog Number: BMBCC-0064

Description

Composite foil featuring a tantalum surface for acid resistance and a copper core for maximum electronic conductivity.

Basic Information

Substrate Material: Ta-Cu-Ta

Purity (%): Ta: 5µm (each)

Thickness (µm): 20 (Total)

Width (mm): 100

Areal Density (g/m^2): 190 - 210

Tensile Strength (MPa): ≥320

Elongation (%): ≥5.0

Surface Finish: Roll Clad

Surface Roughness (Ra, µm): ≤0.30

Electrical Resistivity (Ω·m): 1.9×10^{-8}

Thermal Conductivity (W/m·K): 350

Melting Point (°C): 1083 (Cu)

Oxidation Resistance (Temp/Time): 400°C / 30min

Coating Type: Tantalum Cladding

Coating Thickness (µm): 5

Core ID (mm): 76

Standard Length (m): 2

Operating Voltage Range (V): 0.0 - 6.0

Application Compatibility: Extreme Acid Cells

Storage Requirements: Dry / Sealed

Form Factor: Roll

Hydrophilic Properties: Ultra-Inert

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.

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