

Chrome-Plated Copper Foil

Catlog Number: BMBCC-0037

• Description

Corrosion-resistant anode substrate with a hard chrome surface to prevent copper dissolution in aggressive electrolyte environments.

• Basic Information

Substrate Material: Copper (Core)

Purity (%): ≥ 99.9

Thickness (μm): 10

Width (mm): 200

Areal Density (g/m^2): 88 - 92

Tensile Strength (MPa): ≥ 320

Elongation (%): ≥ 2.5

Surface Finish: Chrome Plated

Surface Roughness (R_a , μm): ≤ 0.30

Electrical Resistivity ($\Omega\cdot\text{m}$): 1.9×10^{-8}

Thermal Conductivity ($\text{W}/\text{m}\cdot\text{K}$): 360

Melting Point ($^{\circ}\text{C}$): 1083 (Cu)

Oxidation Resistance (Temp/Time): 300°C / 45min

Coating Type: Chromium

Coating Thickness (μm): 0.2 - 0.5

Core ID (mm): 76

Standard Length (m): 50

Operating Voltage Range (V): 0.0 - 3.2

Application Compatibility: High-Acidity Cells

Storage Requirements: Dry / Sealed

Form Factor: Roll

Hydrophilic Properties: Anti-Corrosive

Compliance / Grade: Battery Grade

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