Eata Battery

Nickel-Plated Copper Bus Bar

Catlog Number: FCSM-0039

Description

Heavy-duty current collector bus bar made from high-conductivity copper with a corrosion-resistant nickel plating for high-power industrial fuel cell systems.

Basic Information

Material Composition: Copper / Nickel Plate

Thickness (μm): 10000

Density (g/cm³): 8.9

Surface Resistance (mΩ·cm²): < 0.1

Tensile Strength (MPa): 250

Thermal Conductivity (W/m·K): 380

Operating Temp Max (°C): 250

Flexural Strength (MPa): N/A

Corrosion Resistance (μA/cm²): < 0.2

Contact Angle (°): 80

Coefficient of Thermal Expansion (10^{-6}/K): 16.8

Shore Hardness: 90 (HB)

Mean Pore Size (μm): N/A

Compressive Strength (MPa): 280

Electrical Conductivity (S/cm): $5.5x10^5$

Specific Surface Area (m²/g): N/A

Young's Modulus (GPa): 110

Chemical Stability: Good

Coating Material: 10μm Nickel

Surface Roughness (Ra): 0.4

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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