Eata Battery

3D Nickel Foam (High PPI)

Catlog Number: BMBCC-0088

Description

Ultra-high porosity nickel foam with 110 PPI (Pores Per Inch) for maximum active material loading in alkaline systems.

Basic Information

Substrate Material: Pure Nickel

Purity (%): ≥99.8

Thickness (μm): 1500

Width (mm): 200

Areal Density (g/m²): 350 - 450

Tensile Strength (MPa): ≥1.2

Elongation (%): ≥5.0

Surface Finish: Porous 3D

Surface Roughness (Ra, μm): 110 PPI

Electrical Resistivity (Ω·m): 7.0×10^{-8}

Thermal Conductivity (W/m·K): 90

Melting Point (°C): 1450

Oxidation Resistance (Temp/Time): 400°C / 45min

Coating Type: N/A

Coating Thickness (μm): N/A

Core ID (mm): N/A

Standard Length (m): 1 (Sheet)

Operating Voltage Range (V): 0.0 - 1.8

Application Compatibility: Ni-Cd / Ni-MH

Storage Requirements: General Dry

Form Factor: Sheet

Hydrophilic Properties: High Loading

Compliance / Grade: Industrial Grade

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