Eata Battery

Platinum-Plated Titanium Felt

Catlog Number: BMBCC-0019

Description

3D porous titanium felt with a platinum catalyst layer, optimized for high-corrosion environments and gas evolution electrodes.

Basic Information

Substrate Material: Titanium Fiber

Purity (%): ≥99.5

Thickness (μm): 250

Width (mm): 50

Areal Density (g/m²): 1100 - 1200

Tensile Strength (MPa): ≥5.0

Elongation (%): N/A

Surface Finish: Platinized

Surface Roughness (Ra, μm): Porosity: 60-70%

Electrical Resistivity (Ω·m): <0.05 (Surface)

Thermal Conductivity (W/m·K): 18

Melting Point (°C): 1660

Oxidation Resistance (Temp/Time): 400°C / 60min

Coating Type: Platinum

Coating Thickness (μm): 0.5 - 1.0

Core ID (mm): N/A

Standard Length (m): 0.05 (Sheet)

Operating Voltage Range (V): 0.0 - 2.2

Application Compatibility: Electrolysis / OER

Storage Requirements: General Dry

Form Factor: Sheet

Hydrophilic Properties: Catalytic Surface

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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