Eata Battery

Carbon Fiber Mesh (Non-Woven)

Catlog Number: BMBCC-0048

Description

Lightweight non-woven carbon fiber mat providing a high-porosity 3D scaffold for silicon-carbon composite anodes.

Basic Information

Substrate Material: Carbon Fiber

Purity (%): C: ≥98

Thickness (μm): 200

Width (mm): 300

Areal Density (g/m²): 30 - 40

Tensile Strength (MPa): ≥15

Elongation (%): ≥2.0

Surface Finish: Porous Mat

Surface Roughness (Ra, μm): N/A

Electrical Resistivity (Ω·m): 4.0×10^{-4}

Thermal Conductivity (W/m·K): 50

Melting Point (°C): 3500

Oxidation Resistance (Temp/Time): 400°C / 20min

Coating Type: N/A

Coating Thickness (μm): N/A

Core ID (mm): N/A

Standard Length (m): 5 (Roll)

Operating Voltage Range (V): 0.0 - 2.0

Application Compatibility: Silicon Anodes

Storage Requirements: Dry Storage

Form Factor: Roll

Hydrophilic Properties: High Porosity

Compliance / Grade: Lab 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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