Eata Battery

CNT-Reinforced Carbon Paper

Catlog Number: BMBCC-0036

Description

Ultra-thin, freestanding carbon paper modified with multi-walled nanotubes for enhanced electron transport and mechanical flexibility.

Basic Information

Substrate Material: Carbon/CNT

Purity (%): CNT: 10

Thickness (μm): 40

Width (mm): 150

Areal Density (g/m²): 30 - 35

Tensile Strength (MPa): ≥30

Elongation (%): ≥8.0

Surface Finish: Fibrous

Surface Roughness (Ra, μm): ≤1.5

Electrical Resistivity (Ω·m): 6.0×10^{-4}

Thermal Conductivity (W/m·K): 80

Melting Point (°C): 3000

Oxidation Resistance (Temp/Time): 350°C / 30min

Coating Type: MWCNT

Coating Thickness (μm): 1.0 - 2.0

Core ID (mm): N/A

Standard Length (m): 1 (Sheet)

Operating Voltage Range (V): 2.0 - 4.5

Application Compatibility: LFP / Sulfur Cells

Storage Requirements: Dry / Cool

Form Factor: Sheet

Hydrophilic Properties: Porous Network

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.

Tel: 1-631-637-0420 | 1-631-533-0595
Email: info@eataray.com
Suite 103, 17 Ramsey Road, Shirley, NY 11967, USA