

NMC-Compatible Primed Al Foil

Catlog Number: BMBCC-0084

• Description

Aluminum foil with a specialized conductive primer to enhance adhesion to high-nickel NMC (811) cathode active materials.

• Basic Information

Substrate Material: Aluminum 1235

Purity (%): ≥ 99.5

Thickness (μm): 15

Width (mm): 240

Areal Density (g/m^2): 42.0 - 44.0

Tensile Strength (MPa): ≥ 200

Elongation (%): ≥ 2.0

Surface Finish: Primer Coated

Surface Roughness (R_a , μm): ≤ 0.40

Electrical Resistivity ($\Omega\cdot\text{m}$): < 0.05 (Surface)

Thermal Conductivity ($\text{W}/\text{m}\cdot\text{K}$): 220

Melting Point ($^{\circ}\text{C}$): 660

Oxidation Resistance (Temp/Time): 180°C / 45min

Coating Type: Carbon Primer

Coating Thickness (μm): 0.5 - 1.0

Core ID (mm): 76

Standard Length (m): 100

Operating Voltage Range (V): 3.0 - 4.8

Application Compatibility: High-Nickel NMC

Storage Requirements: Dry / Sealed

Form Factor: Roll

Hydrophilic Properties: Enhanced Adhesion

Compliance / Grade: Battery Grade

 For Research or Industrial Raw Materials, Not For Personal Medical Use!