Eata Battery

Lithium Metal Interfacial

Catlog Number: BME-0028

Description

Ether-based electrolyte specifically tailored to form a dense, inorganic-rich SEI on lithium metal anodes, preventing dendrite penetration.

Basic Information

Main Salt: LiFSI

Salt Concentration: 1.0 M

Solvent Ratio (Vol%): DME:DOL=1:1

Additive 1: LiNO3 (2%)

Additive 2: FEC (1%)

Appearance: Colorless Liquid

Water Content (KF): ≤ 15 ppm

Free Acid (as HF): ≤ 30 ppm

Density (25°C): 1.15-1.25 g/cm³

Conductivity (25°C): 9.0-13 mS/cm

Viscosity (25°C): 2.0-3.5 mPa·s

Chloride (Cl-): ≤ 1 ppm

Sulfate (SO4 2-): ≤ 5 ppm

Iron (Fe) Content: ≤ 1 ppm

Sodium (Na) Content: ≤ 2 ppm

Potassium (K) Content: ≤ 2 ppm

Operating Voltage: 0.0 - 4.0 V

Operating Temp: -20 to 50°C

Flash Point: 10-20°C

Solid Content: 18-22 wt%

Refractive Index: 1.38-1.48

Turbidity: ≤ 5 NTU

Color (APHA): ≤ 30

Packaging: Glass/SS

Storage

< 5°C, Ar

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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