

Fluorinated Ether Metal

Catlog Number: BME-0034

• Description

Uses non-solvating fluorinated ether (TTE) to localise salt concentration, significantly improving the coulombic efficiency of lithium metal anodes.

• Basic Information

Main Salt: LiFSI

Salt Concentration: 1.0 M

Solvent Ratio (Vol%): DME:TTE=1:2

Additive 1: FEC (2%)

Additive 2: N/A

Appearance: Colorless Liquid

Water Content (KF): ≤ 15 ppm

Free Acid (as HF): ≤ 30 ppm

Density (25°C): 1.35-1.45 g/cm³

Conductivity (25°C): 4.5-7.0 mS/cm

Viscosity (25°C): 3.0-5.0 mPa·s

Chloride (Cl⁻): ≤ 2 ppm

Sulfate (SO₄²⁻): ≤ 5 ppm

Iron (Fe) Content: ≤ 1 ppm

Sodium (Na) Content: ≤ 2 ppm

Potassium (K) Content: ≤ 2 ppm

Operating Voltage: 0.0 - 4.5 V

Operating Temp: -20 to 55°C

Flash Point: 15-25°C

Solid Content: 25-30 wt%

Refractive Index: 1.36-1.44

Turbidity: ≤ 5 NTU

Color (APHA): ≤ 30

Packaging: Glass/SS

• Storage

$< 5^{\circ}\text{C}$, Ar

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