

Ionic Liquid-LFP Hybrid

Catlog Number: BME-0030

• Description

Hybrid ionic liquid system for LFP batteries that significantly improves high-temperature cycle life and reduces thermal runaway risk.

• Basic Information

Main Salt: LiFSI

Salt Concentration: 1.2 M

Solvent Ratio (Vol%): EMI-TFSI:DMC=4:6

Additive 1: VC (2%)

Additive 2: N/A

Appearance: Slightly Yellow

Water Content (KF): ≤ 40 ppm

Free Acid (as HF): ≤ 70 ppm

Density (25°C): 1.32-1.42 g/cm³

Conductivity (25°C): 5.0-7.5 mS/cm

Viscosity (25°C): 12-25 mPa·s

Chloride (Cl⁻): ≤ 5 ppm

Sulfate (SO₄²⁻): ≤ 10 ppm

Iron (Fe) Content: ≤ 2 ppm

Sodium (Na) Content: ≤ 5 ppm

Potassium (K) Content: ≤ 5 ppm

Operating Voltage: 0.0 - 4.0 V

Operating Temp: 0 to 75°C

Flash Point: $> 120^{\circ}\text{C}$

Solid Content: 25-32 wt%

Refractive Index: 1.40-1.50

Turbidity: ≤ 10 NTU

Color (APHA): ≤ 70

Packaging: Glass/SS

• Storage

RT, Argon

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