

Wide-Temp Range Electrolyte

Catlog Number: BME-0014

• Description

Features a multi-solvent system with Ethyl Propionate (EP) to maintain low impedance across a broad temperature spectrum from -30°C to 70°C.

• Basic Information

Main Salt: LiPF₆

Salt Concentration: 1.0 M

Solvent Ratio (Vol%): EC:EMC:EP=2:6:2

Additive 1: FEC (2%)

Additive 2: PS (1%)

Appearance: Colorless Liquid

Water Content (KF): ≤ 20 ppm

Free Acid (as HF): ≤ 40 ppm

Density (25°C): 1.18-1.28 g/cm³

Conductivity (25°C): 8.0-10.0 mS/cm

Viscosity (25°C): 2.8-4.2 mPa·s

Chloride (Cl⁻): ≤ 1 ppm

Sulfate (SO₄²⁻): ≤ 5 ppm

Iron (Fe) Content: ≤ 1 ppm

Sodium (Na) Content: ≤ 2 ppm

Potassium (K) Content: ≤ 2 ppm

Operating Voltage: 0.0 - 4.3 V

Operating Temp: -30 to 70°C

Flash Point: 25-35°C

Solid Content: 12-15 wt%

Refractive Index: 1.36-1.46

Turbidity: ≤ 5 NTU

Color (APHA): ≤ 30

Packaging: SS Cylinder

• Storage

< 5°C, Ar

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