

All-Fluorinated Electrolyte

Catlog Number: BME-0041

• Description

Fully fluorinated solvent system designed for 5V high-voltage cathodes and lithium metal stability, offering inherent flame retardancy.

• Basic Information

Main Salt: LiPF₆

Salt Concentration: 1.0 M

Solvent Ratio (Vol%): FEC:FEMC:HFE=2:6:2

Additive 1: N/A

Additive 2: N/A

Appearance: Colorless Liquid

Water Content (KF): ≤ 15 ppm

Free Acid (as HF): ≤ 30 ppm

Density (25°C): 1.45-1.55 g/cm³

Conductivity (25°C): 5.0-7.5 mS/cm

Viscosity (25°C): 4.0-6.0 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 - 5.0 V

Operating Temp: -30 to 60°C

Flash Point: > 90°C

Solid Content: 14-16 wt%

Refractive Index: 1.34-1.42

Turbidity: ≤ 5 NTU

Color (APHA): ≤ 30

Packaging: SS Cylinder

• Storage

< 5°C, Ar

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