

Phosphate Fire-Retardant

Catlog Number: BME-0070

• Description

Uses Triethyl Phosphate (TEP) as a flame-retardant co-solvent to achieve self-extinguishing properties without significantly decreasing conductivity.

• Basic Information

Main Salt: LiPF₆

Salt Concentration: 1.0 M

Solvent Ratio (Vol%): EC:DMC:TEP=3:4:3

Additive 1: VC (2%)

Additive 2: FEC (2%)

Appearance: Colorless Liquid

Water Content (KF): ≤ 20 ppm

Free Acid (as HF): ≤ 50 ppm

Density (25°C): 1.25-1.35 g/cm³

Conductivity (25°C): 6.5-8.5 mS/cm

Viscosity (25°C): 6.0-9.0 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 - 4.3 V

Operating Temp: -10 to 60°C

Flash Point: Non-flam

Solid Content: 13-16 wt%

Refractive Index: 1.39-1.47

Turbidity: ≤ 10 NTU

Color (APHA): ≤ 50

Packaging: SS Cylinder

• Storage

< 5°C, Ar

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