

## Ionic Liquid Hybrid

Catlog Number: BME-0017

### • Description

A hybrid electrolyte blending ionic liquids with organic solvents to provide high thermal stability and non-flammability for high-temp cells.

### • Basic Information

Main Salt: LiTFSI

Salt Concentration: 1.0 M

Solvent Ratio (Vol%): Pyr14TFSI:DMC=1:1

Additive 1: VC (2%)

Additive 2: N/A

Appearance: Slightly Yellow

Water Content (KF):  $\leq 50$  ppm

Free Acid (as HF):  $\leq 80$  ppm

Density (25°C): 1.35-1.45 g/cm<sup>3</sup>

Conductivity (25°C): 2.5-4.5 mS/cm

Viscosity (25°C): 20-40 mPa·s

Chloride (Cl<sup>-</sup>):  $\leq 5$  ppm

Sulfate (SO<sub>4</sub><sup>2-</sup>):  $\leq 10$  ppm

Iron (Fe) Content:  $\leq 2$  ppm

Sodium (Na) Content:  $\leq 5$  ppm

Potassium (K) Content:  $\leq 5$  ppm

Operating Voltage: 0.0 - 5.0 V

Operating Temp: 10 to 80°C

Flash Point:  $> 100^\circ\text{C}$

Solid Content: 20-25 wt%

Refractive Index: 1.41-1.51

Turbidity:  $\leq 10$  NTU

Color (APHA):  $\leq 80$

Packaging: Glass/SS

### • Storage

RT, Argon

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