

LICGC™ Powder

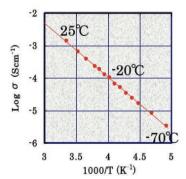
LICGC[™] Powder can be used as an organic electrolyte or cathode additive in lithium ion secondary batteries. When used as a cathode additive, LICGC[™] Powder can lead to significant improvements in the discharge capacity and reduced charge times at higher rates. An increased discharge capacity may also be seen at low temperatures.

Material Composition

• Li₂O-Al₂O₃-SiO₂-P₂O5-TiO₂ System

Main Crystalline Phase

• $\text{Li}_2\text{O-Al}_2\text{O}_3\text{-SiO}_2\text{-P}_2\text{O}5\text{-TiO}_2$ System



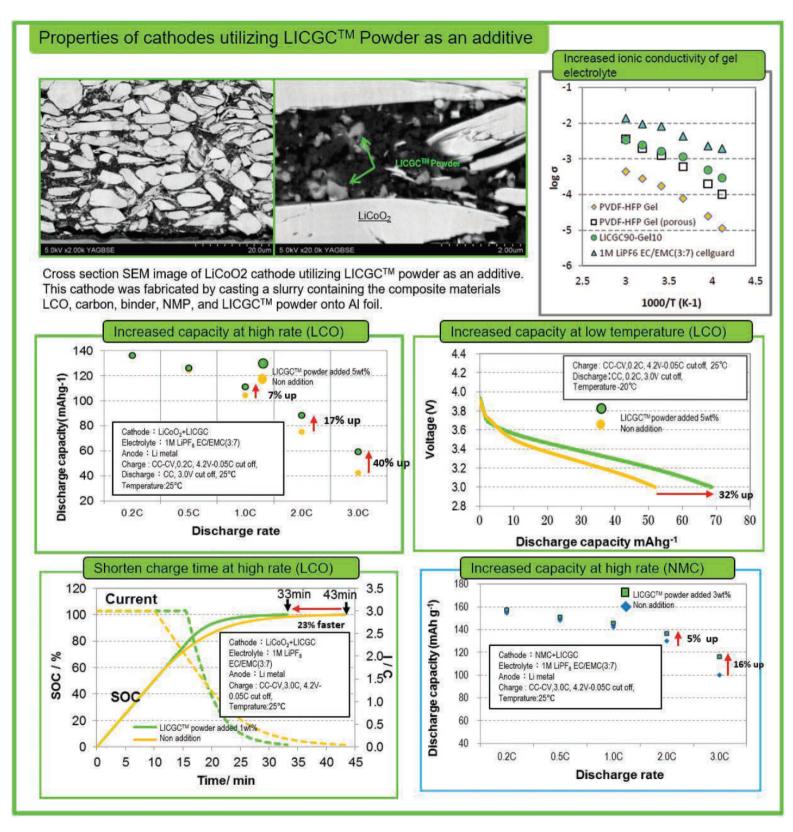
Arrhenius Plot of LICGC™ Powder

Advantages

- High Lithium Ion Conductivity:
 - 1 x 10⁻⁴ S/cm at 25 °C
- Used as an organic electrolyte and cathode additive
- Physical, Mechanical, and Chemical Properties
 - Stable in air and water
 - Non-flammable
 - RW(p) JOGIS Class 1 water resistance
 - RA(p) JOGIS Class 1 acid resistance
- Supplied as 1.0um and 4um average particle size
- Enables increased discharge capacity and faster charge times

GET IN TOUCH

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Please contact us to discuss your specific requirements.