

Electro-Rite® AL003

Powder Rheology Modifier

Electro-Rite® AL003 polymer is a rheology modifier that provides suspension and dispersion properties in alkaline and lithium-ion batteries. The polymer is tailored to be stable in potassium hydroxide liquid (KOH) electrolyte creating the perfect distribution of zinc powder through the anode cavity for alkaline batteries. The polymer is stable in water-based anode and separator formulations to create slurries for lithium-ion batteries. The slurries have good suspension qualities for carbon, silicon, ceramics and other anode or separator active ingredients.

FEATURES AND BENEFITS

- CMC Replacement
- Compatible with SBR & polymeric binders
- Compatible with super absorbent polymers
- Easy to Incorporate
- Electrochemical Properties
- High electrolyte tolerance
- Highly efficient
- Shear-Thinning

CHARACTERISTICS

Characteristic Name	Value
Appearance	White Powder
Brookfield Viscosity (cps)	40000 - 60000

APPLICATIONS

- Batteries & Displays

AVAILABLE REGIONS

- Asia Pacific
- EMEA
- Latin America
- North America

REGULATORY STATUS

Please see the product's current material safety data sheet, SDS, for regulatory information. You can request an SDS at www.lubrizol.com/coatings.

Should you have questions on additional topics, please feel free to contact your Lubrizol representative or one of our regional Customer Assistance groups listed here:

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