

Inorganic Fiber-based Separator For LiB

Today's advances in high energy batteries require a safer separator. Alkegen has a unique microfine glass fiber-based separator technology that offers exceptional high temperature performance. In addition to applications to traditional battery technologies, the separator is ideal as scaffolding for electrolyte materials in solid-state batteries. The capability of tuning the separator formula and produce in larger scale opens up broad design potential to battery cell manufacturers.

- ✦ Separators Formulated for **High Temperature Performance** and **Rapid Ion Exchange**
- ✦ Micro Fine Glass Fiber Construction for **Zero Thermal Deformation** Under Abuse Conditions
- ✦ Ideal for **Solid State** Battery Construction, Scaffolding for Electrolyte Materials
- ✦ Wide Range of Thicknesses to Support Various Battery Architectures.



Representative Physical Properties

Characteristic	Inovion
Basis Weight (g/m ²)	5-10
Thickness (μm)- Available Now	35-60
Thickness (μm)- Under Development	15-25
Organic Content (% w/w)	0-30

Alkegen's Inovion separator technology enables game-changing innovations in the broad battery world.

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