

Ahlstrom–Munksjö

FortiCell® LAB

Film Separator Reinforcement

Fiber-based Solutions for Energy Storage

A **Lead Acid Battery** is an essential element for your car to start, for a forklift to efficiently pick up goods without losing time for recharging and for a data-center to always be functioning efficiently.

Market requirements for **film separators** are high dimensional stability, controlled fibrous structure for a low resistivity, fast acid absorption and wicking for rapid battery fill. Plus low ionic contamination.

Benefits

- ✔ **Improved stability of the film separator** – attributable to excellent dimensional stability of the media
- ✔ **Hydrogen ion exchange facilitated** – owing to extremely open material
- ✔ **Superior battery efficiency** – on account of excellent fiber dispersion
- ✔ **Superior manufacturing efficiency** – due to excellent mechanical properties

Film Separator range overview

- Glass Media for PE reinforcement
- 100% glass media using foam technology

Glass Media for Film Separator Reinforcement

	Fibres diameter	Fibre length	Binder content	Basis weight	Thickness	Air permeability	Tensile MD	Acid Wicking
Grades	µm	mm	%	g/m ²	mm	l/m ² /s	N/50mm	mm/2min
AEC 59K255C-60	13	13	30	60	0.47	5400	210	TBC

Under development. We offer tailor-made solutions based on specific customer needs.

Ahlstrom-Munksjö Film Separator Manufacturing Platforms

Karhula, Finland and Tver, Russia for glass tissue material

Ahlstrom-Munksjö is a global leader in innovative glass tissue.

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