

Ahlstrom–Munksjö

FortiCell® LAB

Pasting Materials

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.

The **pasting material** is laminated onto the electrodes. The functions of the pasting material are:

- To prevent lead dust in the workshop
- To prevent shedding of the electrode

Benefits

- ✓ **Protection of electrode from dusting** – owing to excellent adhesion of the media
- ✓ **Rapid cellulose dissolution** – due to pure cellulose pasting media
- ✓ **Minimum ionic resistivity** – attributable to open glass media
- ✓ **Superior manufacturing efficiency** – on account of excellent wicking properties

Pasting Material range overview

Ahlstrom-Munksjö is a global leader in fiber-based solutions. We have the capabilities to manufacture 100% cellulose paper, to 100% synthetic materials in glass, microglass and hybrids materials. Typical grade selection materials:

- **BR3510:012** is a 100% cellulose light weight media to protect worker environment
- **STR 20 0250** a microglass pasting material
- **GEC-592K13C-24** is glass veil; synthetic grades are acid resistant and help to elongate the electrodes lifetime

Pasting Materials: glass, cellulose and advanced media

	Weight	Thickness	Bulk	Dry tensile MD	Dry tensile CD	Air permeability	Water drop	Acid wicking
Grades	g/m ²	µm (100kPa)	cm ³ /g	N/m	N/m	L/m ² /s	S	mm/2min
BR3510:012	12	51	4.25	575	310	1960	120	9.8
STR 20 0250	35	250	7.87	60	50	50	TBD	5
GEC-592K13C-24	24	290	12.08	2400	1600	8500	TBD	n/a

Non exhaustive offering. We develop tailor-made solutions based on specific customer needs.

Ahlstrom-Munksjö Pasting Materials Manufacturing Platforms

- **Fabriano, Italy for AGM**
- **Karhula, Finland and Tver, Russia for glass tissue material**
- **Brignoud, France for hybrid solutions**

Ahlstrom-Munksjö is a global leader in innovative fiber-based materials in wetlaid and glass tissue.

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