



Ahlstrom
FortiCell[®]
LEAD ACID BATTERY

Separator Reinforcement Mat

Fiber-based Solutions for Energy Storage

Lead Acid Batteries for Heavy Duty Applications require Separators which are reinforced to withstand hard conditions, be it vibration, deep discharge and ensure long lasting battery life.

Ahlstrom Reinforcement Mat meet these requirements, used in combination with PE or as single/separate solution. Our range of products offer low electrical resistance, rapid acid absorption and wicking for fast battery filling. Plus high mechanical strength for high-speed battery assembly.

Benefits

- ✓ Available in a wide range of dimensions
- ✓ Low electrical resistance
- ✓ Low acid weight loss and impurity levels
- ✓ High uniformity
- ✓ High mechanical strength for high speed enveloping

Separator Reinforcement Mat Range Overview:

- Glass Fiber Tissue for Heavy Duty Battery Applications
- Use in combination with PE Separators or as separate, single solution
- Full range of materials available
- Thickness from 0.20 – 0.80 mm
- Different fiber types and compositions
- High mechanical strength
- Uniform fiber distribution due to unique process
- Binder with high acid resistance and low acid weight loss
- Low level of impurities

Examples of available grades:

	Thickness	Basis weight	Air permeability	Tensile Strength MD
Grade	(mm)	(g/m ²)	(l/m ² /s)	(N/m)
GEC-20	0.18	20	8200	1600
GEC-24	0.24	24	9500	1800
AEC-38	0.31	38	7900	2200
GEC-52	0.44	52	6400	2500
AEC-65	0.55	65	3900	5000

Other grades as well as custom grades available. Please consult us to meet your needs.

Ahlstrom Manufacturing Platforms

Karhula, Finland and Madisonville, USA for glass tissue materials

Ahlstrom is a global leader in innovative glass tissue.

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