

Ahlstrom–Munksjö

FortiCell® LAB

AGM Media

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 **Absorbed Glass Mat** is a separator made of microglass. The functions of the separator are:

- To allow hydrogen ions to go from the anode to the cathode with the minimum resistance
- To “store” hydrogen ions when the battery is not in use to allow a rapid restart
- To prevent anode and cathode to be in contact

Benefits

- ☉ **Excellent product uniformity** – for homogeneous ions transfer
- ☉ **Excellent fiber selection and dispersion** – state-of-the-art for even specific surface area (BET)
- ☉ **Enhanced Battery Cycle Life** – delivered through good dry compression recovery, producing less vibrations as well as reducing electrode decay
- ☉ **Superior manufacturing efficiency** – due to excellent wicking properties
- ☉ **Maximised performance** – due to minimum ionic contamination

Архангельск (8182)63-90-72
Астана (7172)727-132
Астрахань (8512)99-46-04
Барнаул (3852)73-04-60
Белгород (4722)40-23-64
Брянск (4832)59-03-52
Владивосток (423)249-28-31
Волгоград (844)278-03-48
Вологда (8172)26-41-59
Воронеж (473)204-51-73
Екатеринбург (343)384-55-89
Иваново (4932)77-34-06

Ижевск (3412)26-03-58
Иркутск (395)279-98-46
Казань (843)206-01-48
Калининград (4012)72-03-81
Калуга (4842)92-23-67
Кемерово (3842)65-04-62
Киров (8332)68-02-04
Краснодар (861)203-40-90
Красноярск (391)204-63-61
Курск (4712)77-13-04
Липецк (4742)52-20-81

Магнитогорск (3519)55-03-13
Москва (495)268-04-70
Мурманск (8152)59-64-93
Набережные Челны (8552)20-53-41
Новокузнецк (3843)20-46-81
Новосибирск (383)227-86-73
Омск (3812)21-46-40
Орел (4862)44-53-42
Оренбург (3532)37-68-04
Пенза (8412)22-31-16

Пермь (342)205-81-47
Ростов-на-Дону (863)308-18-15
Рязань (4912)46-61-64
Самара (846)206-03-16
Санкт-Петербург (812)309-46-40
Саратов (845)249-38-78
Севастополь (8692)22-31-93
Симферополь (3652)67-13-56
Смоленск (4812)29-41-54
Сочи (862)225-72-31
Ставрополь (8652)20-65-13

Сургут (3462)77-98-35
Тверь (4822)63-31-35
Томск (3822)98-41-53
Тула (4872)74-02-29
Тюмень (3452)66-21-18
Ульяновск (8422)24-23-59
Уфа (347)229-48-12
Хабаровск (4212)92-98-04
Челябинск (351)202-03-61
Череповец (8202)49-02-64
Ярославль (4852)69-52-93

Киргизия (996)312-96-26-47

Россия (495)268-04-70

Казахстан (772)734-952-31

AGM Separator range overview

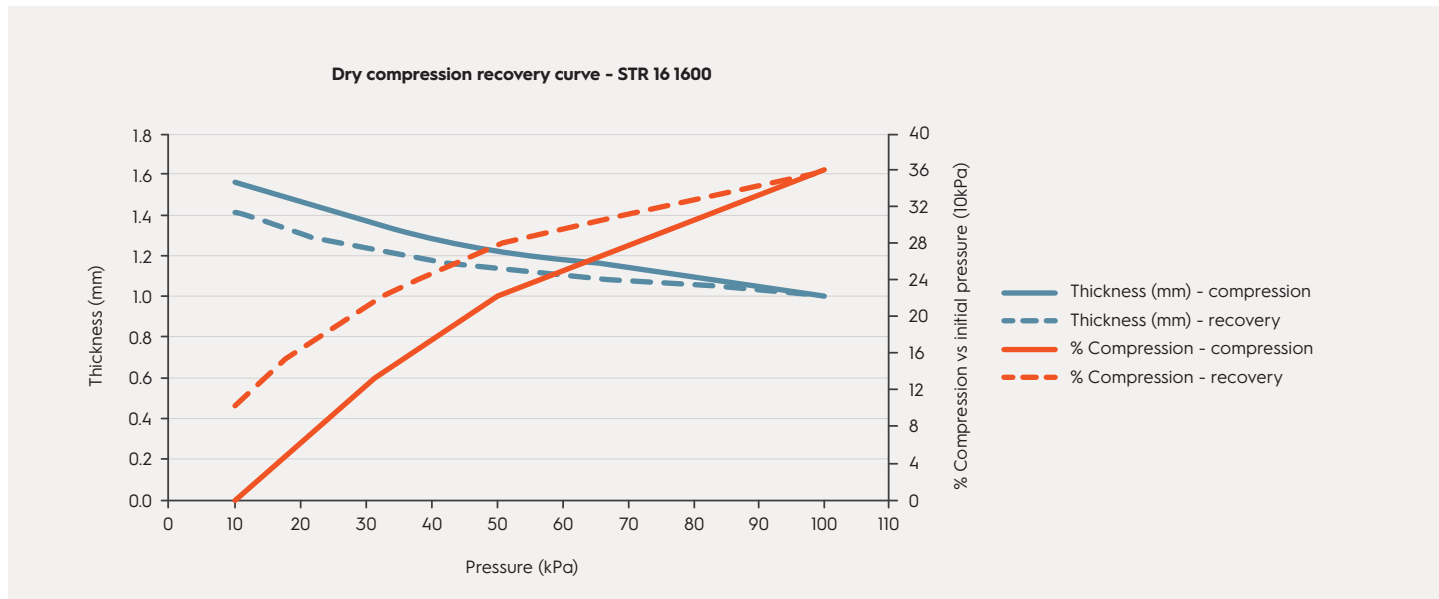
We have developed a wide range of AGM materials suited for your needs and your customer applications. Our offering is based on three typical characteristics required to manufacture proper separators:

- **Specific surface area: BET from 1.1 to 2**
- **3 distinctive levels of strength and flexibility**
- **Adapted thickness to your requirement**

	Basis weight	Thickness	Textest	Tensile strength MD	Elongation MD	Tensile strength CD	Elongation CD	Acid wicking	Specific surface (BET)
Grades	g/m ²	mm (10kPa)	l/m ² /s (200Pa)	KN/m	%	KN/m	%	mm/2min	m ² /g
SUP 13 0500	80	0.5	86	0.32	1.3	0.17	2.2	60	1.3
SUP 13 0800	130	0.8	50	0.5	1.2	0.41	1.9	61	1.3
STR 145 1450	209	1.45	29	0.705	1.8	0.41	2.5	67	1.45
STR 16 1600	225	1.6	25	0.85	1.9	0.76	1.9	63	1.6
STR 13 1600	225	1.6	34	0.6	2	0.59	2.5	65	1.3
STR 17 1600	230	1.6	18	1.2	1.6	0.95	2.1	63	1.7
STR 20 1700	225	1.7	14	1.1	2	0.92	3.38	44	2
STR 11 1600	230	1.6	50	0.6	2	0.40	2.58	64	1.1
STR 16 2600	340	2.6	15	0.88	2	0.7	1.6	57	1.6

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

MicroGlass Media for AGM Separator – Illustration of good dry compression recovery



Ahlstrom-Munksjö AGM Manufacturing Platforms

• Fabriano, Italy

Архангельск (8182)63-90-72
 Астана (7172)727-132
 Астрахань (8512)99-46-04
 Барнаул (3852)73-04-60
 Белгород (4722)40-23-64
 Брянск (4832)59-03-52
 Владивосток (423)249-28-31
 Волгоград (844)278-03-48
 Вологда (8172)26-41-59
 Воронеж (473)204-51-73
 Екатеринбург (343)384-55-89
 Иваново (4932)77-34-06

• Turin, Italy Q1 2022

Ижевск (3412)26-03-58
 Иркутск (395)279-98-46
 Казань (843)206-01-48
 Калининград (4012)72-03-81
 Калуга (4842)92-23-67
 Кемерово (3842)65-04-62
 Киров (8332)68-02-04
 Краснодар (861)203-40-90
 Красноярск (391)204-63-61
 Курск (4712)77-13-04
 Липецк (4742)52-20-81

Пермь (342)205-81-47
 Ростов-на-Дону (863)308-18-15
 Рязань (4912)46-61-64
 Самара (846)206-03-16
 Санкт-Петербург (812)309-46-40
 Саратов (845)249-38-78
 Севастополь (8692)22-31-93
 Симферополь (3652)67-13-56
 Смоленск (4812)29-41-54
 Сочи (862)225-72-31
 Ставрополь (8652)20-65-13

Сургут (3462)77-98-35
 Тверь (4822)63-31-35
 Томск (3822)98-41-53
 Тула (4872)74-02-29
 Тюмень (3452)66-21-18
 Ульяновск (8422)24-23-59
 Уфа (347)229-48-12
 Хабаровск (4212)92-98-04
 Челябинск (351)202-03-61
 Череповец (8202)49-02-64
 Ярославль (4852)69-52-93

Киргизия (996)312-96-26-47

Россия (495)268-04-70

Казахстан (772)734-952-31

<https://ahlstrom.nt-rt.ru/> || ame@nt-rt.ru