

# Global Ultrafine Glass Fiber (AGM) Separators Market 2023 by Manufacturers, Regions, Type and Application, Forecast to 2029

https://marketpublishers.com/r/G3C215984078EN.html

Date: March 2023

Pages: 122

Price: US\$ 3,480.00 (Single User License)

ID: G3C215984078EN

# **Abstracts**

According to our (Global Info Research) latest study, the global Ultrafine Glass Fiber (AGM) Separators market size was valued at USD million in 2022 and is forecast to a readjusted size of USD million by 2029 with a CAGR of % during review period. The influence of COVID-19 and the Russia-Ukraine War were considered while estimating market sizes.

Ultrafine glass fiber (AGM) separator is made of glass fiber with a diameter of 0.6-3um and is made by wet process technology. The product has good acid resistance, high porosity, small pore size, high liquid absorption rate, and low resistance. It has the functions of preventing short circuit and absorbing the required electrolyte. Its free channel allows oxygen to recombine into water on the negative electrode. There is no need to replenish water during use, and functions such as maintenance-free are realized.

This report is a detailed and comprehensive analysis for global Ultrafine Glass Fiber (AGM) Separators market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2023, are provided.

**Key Features:** 

Global Ultrafine Glass Fiber (AGM) Separators market size and forecasts, in

Global Ultrafine Glass Fiber (AGM) Separators Market 2023 by Manufacturers, Regions, Type and Application, For...



consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/Ton), 2018-2029

Global Ultrafine Glass Fiber (AGM) Separators market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/Ton), 2018-2029

Global Ultrafine Glass Fiber (AGM) Separators market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/Ton), 2018-2029

Global Ultrafine Glass Fiber (AGM) Separators market shares of main players, shipments in revenue (\$ Million), sales quantity (Tons), and ASP (US\$/Ton), 2018-2023

The Primary Objectives in This Report Are:

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for Ultrafine Glass Fiber (AGM) Separators

To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

This report profiles key players in the global Ultrafine Glass Fiber (AGM) Separators market based on the following parameters - company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include ANPE SEPA, Hollingsworth & Vose, BERNARD DUMAS, Entek and MICROPOROUS, LLC, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals, COVID-19 and Russia-Ukraine War Influence.

Market Segmentation

Ultrafine Glass Fiber (AGM) Separators market is split by Type and by Application. For the period 2018-2029, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche



n	ns	٦r	k	Δ	ts	
ш	ııc	. I	N	ᆫ	w	

Market segment by Type

Thickness (d): 10Kpa

Thickness (d): 20Kpa

Thickness (d): 100Kpa

Market segment by Application

Lead-acid Batteries

Start-stop Battery

Others

Major players covered

ANPE SEPA

Hollingsworth & Vose

BERNARD DUMAS

Entek

MICROPOROUS, LLC

GS Yuasa Chemical Co.,Ltd

**Shorin Industry** 

Shan Dong Province Shen Xian HUA YANG Industry co., Ltd

Qidong Jinyao Yihua Fiberglass Material Co., Ltd



Qidong Hengyi Power Co.,Ltd

Guangzhou Jiahong Composite Materials Co., Ltd

Zhangjiagang Tianlei Glass Fiber Co., Ltd

Qidong Hengrui Power Supply Technology Co.LTD

Zhejiang Hongyao Glass Co., Ltd

Jiangsu Dall Energy Saving Technology Co.,Ltd

CHANGZHOU HAIXIN POWER SUPPLY MATERIALS CO.,LTD

Yihecheng Group Co., Ltd

Tianchang yongchang glass fiber products co., LTD

Zhejiang LAN Liang Industry Co.,Ltd

Shandong Renfeng Special Materials Co., Ltd

Market segment by region, regional analysis covers

North America (United States, Canada and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:



Chapter 1, to describe Ultrafine Glass Fiber (AGM) Separators product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Ultrafine Glass Fiber (AGM) Separators, with price, sales, revenue and global market share of Ultrafine Glass Fiber (AGM) Separators from 2018 to 2023.

Chapter 3, the Ultrafine Glass Fiber (AGM) Separators competitive situation, sales quantity, revenue and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Ultrafine Glass Fiber (AGM) Separators breakdown data are shown at the regional level, to show the sales quantity, consumption value and growth by regions, from 2018 to 2029.

Chapter 5 and 6, to segment the sales by Type and application, with sales market share and growth rate by type, application, from 2018 to 2029.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value and market share for key countries in the world, from 2017 to 2022.and Ultrafine Glass Fiber (AGM) Separators market forecast, by regions, type and application, with sales and revenue, from 2024 to 2029.

Chapter 12, market dynamics, drivers, restraints, trends, Porters Five Forces analysis, and Influence of COVID-19 and Russia-Ukraine War.

Chapter 13, the key raw materials and key suppliers, and industry chain of Ultrafine Glass Fiber (AGM) Separators.

Chapter 14 and 15, to describe Ultrafine Glass Fiber (AGM) Separators sales channel, distributors, customers, research findings and conclusion.



# **Contents**

#### 1 MARKET OVERVIEW

- 1.1 Product Overview and Scope of Ultrafine Glass Fiber (AGM) Separators
- 1.2 Market Estimation Caveats and Base Year
- 1.3 Market Analysis by Type
  - 1.3.1 Overview: Global Ultrafine Glass Fiber (AGM) Separators Consumption Value by
- Type: 2018 Versus 2022 Versus 2029
  - 1.3.2 Thickness (d): 10Kpa
  - 1.3.3 Thickness (d): 20Kpa
  - 1.3.4 Thickness (d): 100Kpa
- 1.4 Market Analysis by Application
- 1.4.1 Overview: Global Ultrafine Glass Fiber (AGM) Separators Consumption Value by
- Application: 2018 Versus 2022 Versus 2029
  - 1.4.2 Lead-acid Batteries
  - 1.4.3 Start-stop Battery
  - 1.4.4 Others
- 1.5 Global Ultrafine Glass Fiber (AGM) Separators Market Size & Forecast
- 1.5.1 Global Ultrafine Glass Fiber (AGM) Separators Consumption Value (2018 & 2022 & 2029)
  - 1.5.2 Global Ultrafine Glass Fiber (AGM) Separators Sales Quantity (2018-2029)
  - 1.5.3 Global Ultrafine Glass Fiber (AGM) Separators Average Price (2018-2029)

#### **2 MANUFACTURERS PROFILES**

- 2.1 ANPE SEPA
  - 2.1.1 ANPE SEPA Details
  - 2.1.2 ANPE SEPA Major Business
  - 2.1.3 ANPE SEPA Ultrafine Glass Fiber (AGM) Separators Product and Services
- 2.1.4 ANPE SEPA Ultrafine Glass Fiber (AGM) Separators Sales Quantity, Average
- Price, Revenue, Gross Margin and Market Share (2018-2023)

2.1.5 ANPE SEPA Recent Developments/Updates

- 2.2 Hollingsworth & Vose
  - 2.2.1 Hollingsworth & Vose Details
  - 2.2.2 Hollingsworth & Vose Major Business
- 2.2.3 Hollingsworth & Vose Ultrafine Glass Fiber (AGM) Separators Product and Services
- 2.2.4 Hollingsworth & Vose Ultrafine Glass Fiber (AGM) Separators Sales Quantity,



Average Price, Revenue, Gross Margin and Market Share (2018-2023)

- 2.2.5 Hollingsworth & Vose Recent Developments/Updates
- 2.3 BERNARD DUMAS
  - 2.3.1 BERNARD DUMAS Details
  - 2.3.2 BERNARD DUMAS Major Business
- 2.3.3 BERNARD DUMAS Ultrafine Glass Fiber (AGM) Separators Product and Services
- 2.3.4 BERNARD DUMAS Ultrafine Glass Fiber (AGM) Separators Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)
- 2.3.5 BERNARD DUMAS Recent Developments/Updates
- 2.4 Entek
  - 2.4.1 Entek Details
  - 2.4.2 Entek Major Business
  - 2.4.3 Entek Ultrafine Glass Fiber (AGM) Separators Product and Services
- 2.4.4 Entek Ultrafine Glass Fiber (AGM) Separators Sales Quantity, Average Price,
- Revenue, Gross Margin and Market Share (2018-2023) 2.4.5 Entek Recent Developments/Updates
- 2.5 MICROPOROUS, LLC
  - 2.5.1 MICROPOROUS, LLC Details
  - 2.5.2 MICROPOROUS, LLC Major Business
- 2.5.3 MICROPOROUS, LLC Ultrafine Glass Fiber (AGM) Separators Product and Services
- 2.5.4 MICROPOROUS, LLC Ultrafine Glass Fiber (AGM) Separators Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)
  - 2.5.5 MICROPOROUS, LLC Recent Developments/Updates
- 2.6 GS Yuasa Chemical Co., Ltd
  - 2.6.1 GS Yuasa Chemical Co.,Ltd Details
  - 2.6.2 GS Yuasa Chemical Co., Ltd Major Business
- 2.6.3 GS Yuasa Chemical Co.,Ltd Ultrafine Glass Fiber (AGM) Separators Product and Services
- 2.6.4 GS Yuasa Chemical Co.,Ltd Ultrafine Glass Fiber (AGM) Separators Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)
- 2.6.5 GS Yuasa Chemical Co., Ltd Recent Developments/Updates
- 2.7 Shorin Industry
  - 2.7.1 Shorin Industry Details
  - 2.7.2 Shorin Industry Major Business
  - 2.7.3 Shorin Industry Ultrafine Glass Fiber (AGM) Separators Product and Services
- 2.7.4 Shorin Industry Ultrafine Glass Fiber (AGM) Separators Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)



- 2.7.5 Shorin Industry Recent Developments/Updates
- 2.8 Shan Dong Province Shen Xian HUA YANG Industry co., Ltd
  - 2.8.1 Shan Dong Province Shen Xian HUA YANG Industry co., Ltd Details
  - 2.8.2 Shan Dong Province Shen Xian HUA YANG Industry co., Ltd Major Business
- 2.8.3 Shan Dong Province Shen Xian HUA YANG Industry co., Ltd Ultrafine Glass Fiber (AGM) Separators Product and Services
- 2.8.4 Shan Dong Province Shen Xian HUA YANG Industry co., Ltd Ultrafine Glass Fiber (AGM) Separators Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)
- 2.8.5 Shan Dong Province Shen Xian HUA YANG Industry co., Ltd Recent Developments/Updates
- 2.9 Qidong Jinyao Yihua Fiberglass Material Co., Ltd
  - 2.9.1 Qidong Jinyao Yihua Fiberglass Material Co., Ltd Details
- 2.9.2 Qidong Jinyao Yihua Fiberglass Material Co., Ltd Major Business
- 2.9.3 Qidong Jinyao Yihua Fiberglass Material Co., Ltd Ultrafine Glass Fiber (AGM) Separators Product and Services
- 2.9.4 Qidong Jinyao Yihua Fiberglass Material Co., Ltd Ultrafine Glass Fiber (AGM) Separators Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)
- 2.9.5 Qidong Jinyao Yihua Fiberglass Material Co., Ltd Recent Developments/Updates 2.10 Qidong Hengyi Power Co., Ltd
  - 2.10.1 Qidong Hengyi Power Co., Ltd Details
  - 2.10.2 Qidong Hengyi Power Co., Ltd Major Business
- 2.10.3 Qidong Hengyi Power Co.,Ltd Ultrafine Glass Fiber (AGM) Separators Product and Services
- 2.10.4 Qidong Hengyi Power Co.,Ltd Ultrafine Glass Fiber (AGM) Separators Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)
  - 2.10.5 Qidong Hengyi Power Co.,Ltd Recent Developments/Updates
- 2.11 Guangzhou Jiahong Composite Materials Co., Ltd
  - 2.11.1 Guangzhou Jiahong Composite Materials Co., Ltd Details
  - 2.11.2 Guangzhou Jiahong Composite Materials Co., Ltd Major Business
- 2.11.3 Guangzhou Jiahong Composite Materials Co., Ltd Ultrafine Glass Fiber (AGM) Separators Product and Services
- 2.11.4 Guangzhou Jiahong Composite Materials Co., Ltd Ultrafine Glass Fiber (AGM) Separators Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)
- 2.11.5 Guangzhou Jiahong Composite Materials Co., Ltd Recent Developments/Updates
- 2.12 Zhangjiagang Tianlei Glass Fiber Co., Ltd



- 2.12.1 Zhangjiagang Tianlei Glass Fiber Co., Ltd Details
- 2.12.2 Zhangjiagang Tianlei Glass Fiber Co., Ltd Major Business
- 2.12.3 Zhangjiagang Tianlei Glass Fiber Co., Ltd Ultrafine Glass Fiber (AGM) Separators Product and Services
- 2.12.4 Zhangjiagang Tianlei Glass Fiber Co., Ltd Ultrafine Glass Fiber (AGM) Separators Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)
- 2.12.5 Zhangjiagang Tianlei Glass Fiber Co., Ltd Recent Developments/Updates
- 2.13 Qidong Hengrui Power Supply Technology Co.LTD
  - 2.13.1 Qidong Hengrui Power Supply Technology Co.LTD Details
  - 2.13.2 Qidong Hengrui Power Supply Technology Co.LTD Major Business
- 2.13.3 Qidong Hengrui Power Supply Technology Co.LTD Ultrafine Glass Fiber (AGM) Separators Product and Services
- 2.13.4 Qidong Hengrui Power Supply Technology Co.LTD Ultrafine Glass Fiber (AGM) Separators Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)
- 2.13.5 Qidong Hengrui Power Supply Technology Co.LTD Recent Developments/Updates
- 2.14 Zhejiang Hongyao Glass Co., Ltd
  - 2.14.1 Zhejiang Hongyao Glass Co., Ltd Details
- 2.14.2 Zhejiang Hongyao Glass Co., Ltd Major Business
- 2.14.3 Zhejiang Hongyao Glass Co., Ltd Ultrafine Glass Fiber (AGM) Separators Product and Services
- 2.14.4 Zhejiang Hongyao Glass Co., Ltd Ultrafine Glass Fiber (AGM) Separators Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)
  - 2.14.5 Zhejiang Hongyao Glass Co., Ltd Recent Developments/Updates
- 2.15 Jiangsu Dall Energy Saving Technology Co.,Ltd
  - 2.15.1 Jiangsu Dall Energy Saving Technology Co., Ltd Details
  - 2.15.2 Jiangsu Dall Energy Saving Technology Co., Ltd Major Business
- 2.15.3 Jiangsu Dall Energy Saving Technology Co.,Ltd Ultrafine Glass Fiber (AGM) Separators Product and Services
- 2.15.4 Jiangsu Dall Energy Saving Technology Co.,Ltd Ultrafine Glass Fiber (AGM) Separators Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)
- 2.15.5 Jiangsu Dall Energy Saving Technology Co.,Ltd Recent Developments/Updates
- 2.16 CHANGZHOU HAIXIN POWER SUPPLY MATERIALS CO.,LTD
  - 2.16.1 CHANGZHOU HAIXIN POWER SUPPLY MATERIALS CO.,LTD Details
- 2.16.2 CHANGZHOU HAIXIN POWER SUPPLY MATERIALS CO.,LTD Major Business



- 2.16.3 CHANGZHOU HAIXIN POWER SUPPLY MATERIALS CO.,LTD Ultrafine Glass Fiber (AGM) Separators Product and Services
- 2.16.4 CHANGZHOU HAIXIN POWER SUPPLY MATERIALS CO.,LTD Ultrafine Glass Fiber (AGM) Separators Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)
- 2.16.5 CHANGZHOU HAIXIN POWER SUPPLY MATERIALS CO.,LTD Recent Developments/Updates
- 2.17 Yihecheng Group Co., Ltd
  - 2.17.1 Yihecheng Group Co., Ltd Details
  - 2.17.2 Yihecheng Group Co., Ltd Major Business
- 2.17.3 Yihecheng Group Co., Ltd Ultrafine Glass Fiber (AGM) Separators Product and Services
- 2.17.4 Yihecheng Group Co., Ltd Ultrafine Glass Fiber (AGM) Separators Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)
- 2.17.5 Yihecheng Group Co., Ltd Recent Developments/Updates
- 2.18 Tianchang yongchang glass fiber products co., LTD
  - 2.18.1 Tianchang yongchang glass fiber products co., LTD Details
  - 2.18.2 Tianchang yongchang glass fiber products co., LTD Major Business
- 2.18.3 Tianchang yongchang glass fiber products co., LTD Ultrafine Glass Fiber (AGM) Separators Product and Services
- 2.18.4 Tianchang yongchang glass fiber products co., LTD Ultrafine Glass Fiber (AGM) Separators Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)
- 2.18.5 Tianchang yongchang glass fiber products co., LTD Recent Developments/Updates
- 2.19 Zhejiang LAN Liang Industry Co.,Ltd
  - 2.19.1 Zhejiang LAN Liang Industry Co.,Ltd Details
  - 2.19.2 Zhejiang LAN Liang Industry Co., Ltd Major Business
- 2.19.3 Zhejiang LAN Liang Industry Co.,Ltd Ultrafine Glass Fiber (AGM) Separators Product and Services
- 2.19.4 Zhejiang LAN Liang Industry Co.,Ltd Ultrafine Glass Fiber (AGM) Separators Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)
- 2.19.5 Zhejiang LAN Liang Industry Co.,Ltd Recent Developments/Updates
- 2.20 Shandong Renfeng Special Materials Co., Ltd
  - 2.20.1 Shandong Renfeng Special Materials Co., Ltd Details
  - 2.20.2 Shandong Renfeng Special Materials Co., Ltd Major Business
- 2.20.3 Shandong Renfeng Special Materials Co., Ltd Ultrafine Glass Fiber (AGM) Separators Product and Services
- 2.20.4 Shandong Renfeng Special Materials Co., Ltd Ultrafine Glass Fiber (AGM)



Separators Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)

2.20.5 Shandong Renfeng Special Materials Co., Ltd Recent Developments/Updates

# 3 COMPETITIVE ENVIRONMENT: ULTRAFINE GLASS FIBER (AGM) SEPARATORS BY MANUFACTURER

- 3.1 Global Ultrafine Glass Fiber (AGM) Separators Sales Quantity by Manufacturer (2018-2023)
- 3.2 Global Ultrafine Glass Fiber (AGM) Separators Revenue by Manufacturer (2018-2023)
- 3.3 Global Ultrafine Glass Fiber (AGM) Separators Average Price by Manufacturer (2018-2023)
- 3.4 Market Share Analysis (2022)
- 3.4.1 Producer Shipments of Ultrafine Glass Fiber (AGM) Separators by Manufacturer Revenue (\$MM) and Market Share (%): 2022
- 3.4.2 Top 3 Ultrafine Glass Fiber (AGM) Separators Manufacturer Market Share in 2022
- 3.4.2 Top 6 Ultrafine Glass Fiber (AGM) Separators Manufacturer Market Share in 2022
- 3.5 Ultrafine Glass Fiber (AGM) Separators Market: Overall Company Footprint Analysis
  - 3.5.1 Ultrafine Glass Fiber (AGM) Separators Market: Region Footprint
- 3.5.2 Ultrafine Glass Fiber (AGM) Separators Market: Company Product Type Footprint
- 3.5.3 Ultrafine Glass Fiber (AGM) Separators Market: Company Product Application Footprint
- 3.6 New Market Entrants and Barriers to Market Entry
- 3.7 Mergers, Acquisition, Agreements, and Collaborations

#### **4 CONSUMPTION ANALYSIS BY REGION**

- 4.1 Global Ultrafine Glass Fiber (AGM) Separators Market Size by Region
- 4.1.1 Global Ultrafine Glass Fiber (AGM) Separators Sales Quantity by Region (2018-2029)
- 4.1.2 Global Ultrafine Glass Fiber (AGM) Separators Consumption Value by Region (2018-2029)
- 4.1.3 Global Ultrafine Glass Fiber (AGM) Separators Average Price by Region (2018-2029)



- 4.2 North America Ultrafine Glass Fiber (AGM) Separators Consumption Value (2018-2029)
- 4.3 Europe Ultrafine Glass Fiber (AGM) Separators Consumption Value (2018-2029)
- 4.4 Asia-Pacific Ultrafine Glass Fiber (AGM) Separators Consumption Value (2018-2029)
- 4.5 South America Ultrafine Glass Fiber (AGM) Separators Consumption Value (2018-2029)
- 4.6 Middle East and Africa Ultrafine Glass Fiber (AGM) Separators Consumption Value (2018-2029)

#### **5 MARKET SEGMENT BY TYPE**

- 5.1 Global Ultrafine Glass Fiber (AGM) Separators Sales Quantity by Type (2018-2029)
- 5.2 Global Ultrafine Glass Fiber (AGM) Separators Consumption Value by Type (2018-2029)
- 5.3 Global Ultrafine Glass Fiber (AGM) Separators Average Price by Type (2018-2029)

#### **6 MARKET SEGMENT BY APPLICATION**

- 6.1 Global Ultrafine Glass Fiber (AGM) Separators Sales Quantity by Application (2018-2029)
- 6.2 Global Ultrafine Glass Fiber (AGM) Separators Consumption Value by Application (2018-2029)
- 6.3 Global Ultrafine Glass Fiber (AGM) Separators Average Price by Application (2018-2029)

#### 7 NORTH AMERICA

- 7.1 North America Ultrafine Glass Fiber (AGM) Separators Sales Quantity by Type (2018-2029)
- 7.2 North America Ultrafine Glass Fiber (AGM) Separators Sales Quantity by Application (2018-2029)
- 7.3 North America Ultrafine Glass Fiber (AGM) Separators Market Size by Country
- 7.3.1 North America Ultrafine Glass Fiber (AGM) Separators Sales Quantity by Country (2018-2029)
- 7.3.2 North America Ultrafine Glass Fiber (AGM) Separators Consumption Value by Country (2018-2029)
  - 7.3.3 United States Market Size and Forecast (2018-2029)
  - 7.3.4 Canada Market Size and Forecast (2018-2029)



#### 7.3.5 Mexico Market Size and Forecast (2018-2029)

#### **8 EUROPE**

- 8.1 Europe Ultrafine Glass Fiber (AGM) Separators Sales Quantity by Type (2018-2029)
- 8.2 Europe Ultrafine Glass Fiber (AGM) Separators Sales Quantity by Application (2018-2029)
- 8.3 Europe Ultrafine Glass Fiber (AGM) Separators Market Size by Country
- 8.3.1 Europe Ultrafine Glass Fiber (AGM) Separators Sales Quantity by Country (2018-2029)
- 8.3.2 Europe Ultrafine Glass Fiber (AGM) Separators Consumption Value by Country (2018-2029)
  - 8.3.3 Germany Market Size and Forecast (2018-2029)
- 8.3.4 France Market Size and Forecast (2018-2029)
- 8.3.5 United Kingdom Market Size and Forecast (2018-2029)
- 8.3.6 Russia Market Size and Forecast (2018-2029)
- 8.3.7 Italy Market Size and Forecast (2018-2029)

#### 9 ASIA-PACIFIC

- 9.1 Asia-Pacific Ultrafine Glass Fiber (AGM) Separators Sales Quantity by Type (2018-2029)
- 9.2 Asia-Pacific Ultrafine Glass Fiber (AGM) Separators Sales Quantity by Application (2018-2029)
- 9.3 Asia-Pacific Ultrafine Glass Fiber (AGM) Separators Market Size by Region
- 9.3.1 Asia-Pacific Ultrafine Glass Fiber (AGM) Separators Sales Quantity by Region (2018-2029)
- 9.3.2 Asia-Pacific Ultrafine Glass Fiber (AGM) Separators Consumption Value by Region (2018-2029)
  - 9.3.3 China Market Size and Forecast (2018-2029)
  - 9.3.4 Japan Market Size and Forecast (2018-2029)
  - 9.3.5 Korea Market Size and Forecast (2018-2029)
  - 9.3.6 India Market Size and Forecast (2018-2029)
- 9.3.7 Southeast Asia Market Size and Forecast (2018-2029)
- 9.3.8 Australia Market Size and Forecast (2018-2029)

#### 10 SOUTH AMERICA



- 10.1 South America Ultrafine Glass Fiber (AGM) Separators Sales Quantity by Type (2018-2029)
- 10.2 South America Ultrafine Glass Fiber (AGM) Separators Sales Quantity by Application (2018-2029)
- 10.3 South America Ultrafine Glass Fiber (AGM) Separators Market Size by Country 10.3.1 South America Ultrafine Glass Fiber (AGM) Separators Sales Quantity by Country (2018-2029)
- 10.3.2 South America Ultrafine Glass Fiber (AGM) Separators Consumption Value by Country (2018-2029)
  - 10.3.3 Brazil Market Size and Forecast (2018-2029)
  - 10.3.4 Argentina Market Size and Forecast (2018-2029)

#### 11 MIDDLE EAST & AFRICA

- 11.1 Middle East & Africa Ultrafine Glass Fiber (AGM) Separators Sales Quantity by Type (2018-2029)
- 11.2 Middle East & Africa Ultrafine Glass Fiber (AGM) Separators Sales Quantity by Application (2018-2029)
- 11.3 Middle East & Africa Ultrafine Glass Fiber (AGM) Separators Market Size by Country
- 11.3.1 Middle East & Africa Ultrafine Glass Fiber (AGM) Separators Sales Quantity by Country (2018-2029)
- 11.3.2 Middle East & Africa Ultrafine Glass Fiber (AGM) Separators Consumption Value by Country (2018-2029)
  - 11.3.3 Turkey Market Size and Forecast (2018-2029)
  - 11.3.4 Egypt Market Size and Forecast (2018-2029)
  - 11.3.5 Saudi Arabia Market Size and Forecast (2018-2029)
  - 11.3.6 South Africa Market Size and Forecast (2018-2029)

#### 12 MARKET DYNAMICS

- 12.1 Ultrafine Glass Fiber (AGM) Separators Market Drivers
- 12.2 Ultrafine Glass Fiber (AGM) Separators Market Restraints
- 12.3 Ultrafine Glass Fiber (AGM) Separators Trends Analysis
- 12.4 Porters Five Forces Analysis
  - 12.4.1 Threat of New Entrants
  - 12.4.2 Bargaining Power of Suppliers
  - 12.4.3 Bargaining Power of Buyers
  - 12.4.4 Threat of Substitutes



- 12.4.5 Competitive Rivalry
- 12.5 Influence of COVID-19 and Russia-Ukraine War
  - 12.5.1 Influence of COVID-19
  - 12.5.2 Influence of Russia-Ukraine War

#### 13 RAW MATERIAL AND INDUSTRY CHAIN

- 13.1 Raw Material of Ultrafine Glass Fiber (AGM) Separators and Key Manufacturers
- 13.2 Manufacturing Costs Percentage of Ultrafine Glass Fiber (AGM) Separators
- 13.3 Ultrafine Glass Fiber (AGM) Separators Production Process
- 13.4 Ultrafine Glass Fiber (AGM) Separators Industrial Chain

#### 14 SHIPMENTS BY DISTRIBUTION CHANNEL

- 14.1 Sales Channel
  - 14.1.1 Direct to End-User
  - 14.1.2 Distributors
- 14.2 Ultrafine Glass Fiber (AGM) Separators Typical Distributors
- 14.3 Ultrafine Glass Fiber (AGM) Separators Typical Customers

#### 15 RESEARCH FINDINGS AND CONCLUSION

# **16 APPENDIX**

- 16.1 Methodology
- 16.2 Research Process and Data Source
- 16.3 Disclaimer



# **List Of Tables**

#### LIST OF TABLES

- Table 1. Global Ultrafine Glass Fiber (AGM) Separators Consumption Value by Type, (USD Million), 2018 & 2022 & 2029
- Table 2. Global Ultrafine Glass Fiber (AGM) Separators Consumption Value by Application, (USD Million), 2018 & 2022 & 2029
- Table 3. ANPE SEPA Basic Information, Manufacturing Base and Competitors
- Table 4. ANPE SEPA Major Business
- Table 5. ANPE SEPA Ultrafine Glass Fiber (AGM) Separators Product and Services
- Table 6. ANPE SEPA Ultrafine Glass Fiber (AGM) Separators Sales Quantity (Tons),
- Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2018-2023)
- Table 7. ANPE SEPA Recent Developments/Updates
- Table 8. Hollingsworth & Vose Basic Information, Manufacturing Base and Competitors
- Table 9. Hollingsworth & Vose Major Business
- Table 10. Hollingsworth & Vose Ultrafine Glass Fiber (AGM) Separators Product and Services
- Table 11. Hollingsworth & Vose Ultrafine Glass Fiber (AGM) Separators Sales Quantity (Tons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2018-2023)
- Table 12. Hollingsworth & Vose Recent Developments/Updates
- Table 13. BERNARD DUMAS Basic Information, Manufacturing Base and Competitors
- Table 14. BERNARD DUMAS Major Business
- Table 15. BERNARD DUMAS Ultrafine Glass Fiber (AGM) Separators Product and Services
- Table 16. BERNARD DUMAS Ultrafine Glass Fiber (AGM) Separators Sales Quantity (Tons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2018-2023)
- Table 17. BERNARD DUMAS Recent Developments/Updates
- Table 18. Entek Basic Information, Manufacturing Base and Competitors
- Table 19. Entek Major Business
- Table 20. Entek Ultrafine Glass Fiber (AGM) Separators Product and Services
- Table 21. Entek Ultrafine Glass Fiber (AGM) Separators Sales Quantity (Tons),
- Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2018-2023)
- Table 22. Entek Recent Developments/Updates
- Table 23. MICROPOROUS, LLC Basic Information, Manufacturing Base and



#### Competitors

- Table 24. MICROPOROUS, LLC Major Business
- Table 25. MICROPOROUS, LLC Ultrafine Glass Fiber (AGM) Separators Product and Services
- Table 26. MICROPOROUS, LLC Ultrafine Glass Fiber (AGM) Separators Sales Quantity (Tons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2018-2023)
- Table 27. MICROPOROUS, LLC Recent Developments/Updates
- Table 28. GS Yuasa Chemical Co.,Ltd Basic Information, Manufacturing Base and Competitors
- Table 29. GS Yuasa Chemical Co., Ltd Major Business
- Table 30. GS Yuasa Chemical Co.,Ltd Ultrafine Glass Fiber (AGM) Separators Product and Services
- Table 31. GS Yuasa Chemical Co.,Ltd Ultrafine Glass Fiber (AGM) Separators Sales Quantity (Tons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2018-2023)
- Table 32. GS Yuasa Chemical Co.,Ltd Recent Developments/Updates
- Table 33. Shorin Industry Basic Information, Manufacturing Base and Competitors
- Table 34. Shorin Industry Major Business
- Table 35. Shorin Industry Ultrafine Glass Fiber (AGM) Separators Product and Services
- Table 36. Shorin Industry Ultrafine Glass Fiber (AGM) Separators Sales Quantity
- (Tons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2018-2023)
- Table 37. Shorin Industry Recent Developments/Updates
- Table 38. Shan Dong Province Shen Xian HUA YANG Industry co., Ltd Basic Information, Manufacturing Base and Competitors
- Table 39. Shan Dong Province Shen Xian HUA YANG Industry co., Ltd Major Business
- Table 40. Shan Dong Province Shen Xian HUA YANG Industry co., Ltd Ultrafine Glass Fiber (AGM) Separators Product and Services
- Table 41. Shan Dong Province Shen Xian HUA YANG Industry co., Ltd Ultrafine Glass Fiber (AGM) Separators Sales Quantity (Tons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2018-2023)
- Table 42. Shan Dong Province Shen Xian HUA YANG Industry co., Ltd Recent Developments/Updates
- Table 43. Qidong Jinyao Yihua Fiberglass Material Co., Ltd Basic Information, Manufacturing Base and Competitors
- Table 44. Qidong Jinyao Yihua Fiberglass Material Co., Ltd Major Business
- Table 45. Qidong Jinyao Yihua Fiberglass Material Co., Ltd Ultrafine Glass Fiber (AGM) Separators Product and Services



Table 46. Qidong Jinyao Yihua Fiberglass Material Co., Ltd Ultrafine Glass Fiber (AGM) Separators Sales Quantity (Tons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 47. Qidong Jinyao Yihua Fiberglass Material Co., Ltd Recent Developments/Updates

Table 48. Qidong Hengyi Power Co.,Ltd Basic Information, Manufacturing Base and Competitors

Table 49. Qidong Hengyi Power Co.,Ltd Major Business

Table 50. Qidong Hengyi Power Co.,Ltd Ultrafine Glass Fiber (AGM) Separators Product and Services

Table 51. Qidong Hengyi Power Co.,Ltd Ultrafine Glass Fiber (AGM) Separators Sales Quantity (Tons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 52. Qidong Hengyi Power Co.,Ltd Recent Developments/Updates

Table 53. Guangzhou Jiahong Composite Materials Co., Ltd Basic Information, Manufacturing Base and Competitors

Table 54. Guangzhou Jiahong Composite Materials Co., Ltd Major Business

Table 55. Guangzhou Jiahong Composite Materials Co., Ltd Ultrafine Glass Fiber (AGM) Separators Product and Services

Table 56. Guangzhou Jiahong Composite Materials Co., Ltd Ultrafine Glass Fiber (AGM) Separators Sales Quantity (Tons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 57. Guangzhou Jiahong Composite Materials Co., Ltd Recent Developments/Updates

Table 58. Zhangjiagang Tianlei Glass Fiber Co., Ltd Basic Information, Manufacturing Base and Competitors

Table 59. Zhangjiagang Tianlei Glass Fiber Co., Ltd Major Business

Table 60. Zhangjiagang Tianlei Glass Fiber Co., Ltd Ultrafine Glass Fiber (AGM) Separators Product and Services

Table 61. Zhangjiagang Tianlei Glass Fiber Co., Ltd Ultrafine Glass Fiber (AGM) Separators Sales Quantity (Tons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 62. Zhangjiagang Tianlei Glass Fiber Co., Ltd Recent Developments/Updates

Table 63. Qidong Hengrui Power Supply Technology Co.LTD Basic Information, Manufacturing Base and Competitors

Table 64. Qidong Hengrui Power Supply Technology Co.LTD Major Business

Table 65. Qidong Hengrui Power Supply Technology Co.LTD Ultrafine Glass Fiber (AGM) Separators Product and Services

Table 66. Qidong Hengrui Power Supply Technology Co.LTD Ultrafine Glass Fiber



(AGM) Separators Sales Quantity (Tons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 67. Qidong Hengrui Power Supply Technology Co.LTD Recent

Developments/Updates

Table 68. Zhejiang Hongyao Glass Co., Ltd Basic Information, Manufacturing Base and Competitors

Table 69. Zhejiang Hongyao Glass Co., Ltd Major Business

Table 70. Zhejiang Hongyao Glass Co., Ltd Ultrafine Glass Fiber (AGM) Separators Product and Services

Table 71. Zhejiang Hongyao Glass Co., Ltd Ultrafine Glass Fiber (AGM) Separators Sales Quantity (Tons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 72. Zhejiang Hongyao Glass Co., Ltd Recent Developments/Updates

Table 73. Jiangsu Dall Energy Saving Technology Co.,Ltd Basic Information, Manufacturing Base and Competitors

Table 74. Jiangsu Dall Energy Saving Technology Co., Ltd Major Business

Table 75. Jiangsu Dall Energy Saving Technology Co.,Ltd Ultrafine Glass Fiber (AGM) Separators Product and Services

Table 76. Jiangsu Dall Energy Saving Technology Co.,Ltd Ultrafine Glass Fiber (AGM) Separators Sales Quantity (Tons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 77. Jiangsu Dall Energy Saving Technology Co.,Ltd Recent Developments/Updates

Table 78. CHANGZHOU HAIXIN POWER SUPPLY MATERIALS CO.,LTD Basic Information, Manufacturing Base and Competitors

Table 79. CHANGZHOU HAIXIN POWER SUPPLY MATERIALS CO.,LTD Major Business

Table 80. CHANGZHOU HAIXIN POWER SUPPLY MATERIALS CO.,LTD Ultrafine Glass Fiber (AGM) Separators Product and Services

Table 81. CHANGZHOU HAIXIN POWER SUPPLY MATERIALS CO.,LTD Ultrafine Glass Fiber (AGM) Separators Sales Quantity (Tons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 82. CHANGZHOU HAIXIN POWER SUPPLY MATERIALS CO.,LTD Recent Developments/Updates

Table 83. Yihecheng Group Co., Ltd Basic Information, Manufacturing Base and Competitors

Table 84. Yihecheng Group Co., Ltd Major Business

Table 85. Yihecheng Group Co., Ltd Ultrafine Glass Fiber (AGM) Separators Product and Services



Table 86. Yihecheng Group Co., Ltd Ultrafine Glass Fiber (AGM) Separators Sales Quantity (Tons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 87. Yihecheng Group Co., Ltd Recent Developments/Updates

Table 88. Tianchang yongchang glass fiber products co., LTD Basic Information, Manufacturing Base and Competitors

Table 89. Tianchang yongchang glass fiber products co., LTD Major Business

Table 90. Tianchang yongchang glass fiber products co., LTD Ultrafine Glass Fiber (AGM) Separators Product and Services

Table 91. Tianchang yongchang glass fiber products co., LTD Ultrafine Glass Fiber (AGM) Separators Sales Quantity (Tons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 92. Tianchang yongchang glass fiber products co., LTD Recent Developments/Updates

Table 93. Zhejiang LAN Liang Industry Co.,Ltd Basic Information, Manufacturing Base and Competitors

Table 94. Zhejiang LAN Liang Industry Co.,Ltd Major Business

Table 95. Zhejiang LAN Liang Industry Co.,Ltd Ultrafine Glass Fiber (AGM) Separators Product and Services

Table 96. Zhejiang LAN Liang Industry Co.,Ltd Ultrafine Glass Fiber (AGM) Separators Sales Quantity (Tons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 97. Zhejiang LAN Liang Industry Co., Ltd Recent Developments/Updates

Table 98. Shandong Renfeng Special Materials Co., Ltd Basic Information,

Manufacturing Base and Competitors

Table 99. Shandong Renfeng Special Materials Co., Ltd Major Business

Table 100. Shandong Renfeng Special Materials Co., Ltd Ultrafine Glass Fiber (AGM) Separators Product and Services

Table 101. Shandong Renfeng Special Materials Co., Ltd Ultrafine Glass Fiber (AGM) Separators Sales Quantity (Tons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 102. Shandong Renfeng Special Materials Co., Ltd Recent

Developments/Updates
Table 103. Global Ultrafine Glass Fiber (AGM) Separators Sales Quantity by

Manufacturer (2018-2023) & (Tons)

Table 104. Global Ultrafine Glass Fiber (AGM) Separators Revenue by Manufacturer (2018-2023) & (USD Million)

Table 105. Global Ultrafine Glass Fiber (AGM) Separators Average Price by Manufacturer (2018-2023) & (US\$/Ton)



Table 106. Market Position of Manufacturers in Ultrafine Glass Fiber (AGM) Separators, (Tier 1, Tier 2, and Tier 3), Based on Consumption Value in 2022

Table 107. Head Office and Ultrafine Glass Fiber (AGM) Separators Production Site of Key Manufacturer

Table 108. Ultrafine Glass Fiber (AGM) Separators Market: Company Product Type Footprint

Table 109. Ultrafine Glass Fiber (AGM) Separators Market: Company Product Application Footprint

Table 110. Ultrafine Glass Fiber (AGM) Separators New Market Entrants and Barriers to Market Entry

Table 111. Ultrafine Glass Fiber (AGM) Separators Mergers, Acquisition, Agreements, and Collaborations

Table 112. Global Ultrafine Glass Fiber (AGM) Separators Sales Quantity by Region (2018-2023) & (Tons)

Table 113. Global Ultrafine Glass Fiber (AGM) Separators Sales Quantity by Region (2024-2029) & (Tons)

Table 114. Global Ultrafine Glass Fiber (AGM) Separators Consumption Value by Region (2018-2023) & (USD Million)

Table 115. Global Ultrafine Glass Fiber (AGM) Separators Consumption Value by Region (2024-2029) & (USD Million)

Table 116. Global Ultrafine Glass Fiber (AGM) Separators Average Price by Region (2018-2023) & (US\$/Ton)

Table 117. Global Ultrafine Glass Fiber (AGM) Separators Average Price by Region (2024-2029) & (US\$/Ton)

Table 118. Global Ultrafine Glass Fiber (AGM) Separators Sales Quantity by Type (2018-2023) & (Tons)

Table 119. Global Ultrafine Glass Fiber (AGM) Separators Sales Quantity by Type (2024-2029) & (Tons)

Table 120. Global Ultrafine Glass Fiber (AGM) Separators Consumption Value by Type (2018-2023) & (USD Million)

Table 121. Global Ultrafine Glass Fiber (AGM) Separators Consumption Value by Type (2024-2029) & (USD Million)

Table 122. Global Ultrafine Glass Fiber (AGM) Separators Average Price by Type (2018-2023) & (US\$/Ton)

Table 123. Global Ultrafine Glass Fiber (AGM) Separators Average Price by Type (2024-2029) & (US\$/Ton)

Table 124. Global Ultrafine Glass Fiber (AGM) Separators Sales Quantity by Application (2018-2023) & (Tons)

Table 125. Global Ultrafine Glass Fiber (AGM) Separators Sales Quantity by Application



(2024-2029) & (Tons)

Table 126. Global Ultrafine Glass Fiber (AGM) Separators Consumption Value by Application (2018-2023) & (USD Million)

Table 127. Global Ultrafine Glass Fiber (AGM) Separators Consumption Value by Application (2024-2029) & (USD Million)

Table 128. Global Ultrafine Glass Fiber (AGM) Separators Average Price by Application (2018-2023) & (US\$/Ton)

Table 129. Global Ultrafine Glass Fiber (AGM) Separators Average Price by Application (2024-2029) & (US\$/Ton)

Table 130. North America Ultrafine Glass Fiber (AGM) Separators Sales Quantity by Type (2018-2023) & (Tons)

Table 131. North America Ultrafine Glass Fiber (AGM) Separators Sales Quantity by Type (2024-2029) & (Tons)

Table 132. North America Ultrafine Glass Fiber (AGM) Separators Sales Quantity by Application (2018-2023) & (Tons)

Table 133. North America Ultrafine Glass Fiber (AGM) Separators Sales Quantity by Application (2024-2029) & (Tons)

Table 134. North America Ultrafine Glass Fiber (AGM) Separators Sales Quantity by Country (2018-2023) & (Tons)

Table 135. North America Ultrafine Glass Fiber (AGM) Separators Sales Quantity by Country (2024-2029) & (Tons)

Table 136. North America Ultrafine Glass Fiber (AGM) Separators Consumption Value by Country (2018-2023) & (USD Million)

Table 137. North America Ultrafine Glass Fiber (AGM) Separators Consumption Value by Country (2024-2029) & (USD Million)

Table 138. Europe Ultrafine Glass Fiber (AGM) Separators Sales Quantity by Type (2018-2023) & (Tons)

Table 139. Europe Ultrafine Glass Fiber (AGM) Separators Sales Quantity by Type (2024-2029) & (Tons)

Table 140. Europe Ultrafine Glass Fiber (AGM) Separators Sales Quantity by Application (2018-2023) & (Tons)

Table 141. Europe Ultrafine Glass Fiber (AGM) Separators Sales Quantity by Application (2024-2029) & (Tons)

Table 142. Europe Ultrafine Glass Fiber (AGM) Separators Sales Quantity by Country (2018-2023) & (Tons)

Table 143. Europe Ultrafine Glass Fiber (AGM) Separators Sales Quantity by Country (2024-2029) & (Tons)

Table 144. Europe Ultrafine Glass Fiber (AGM) Separators Consumption Value by Country (2018-2023) & (USD Million)



Table 145. Europe Ultrafine Glass Fiber (AGM) Separators Consumption Value by Country (2024-2029) & (USD Million)

Table 146. Asia-Pacific Ultrafine Glass Fiber (AGM) Separators Sales Quantity by Type (2018-2023) & (Tons)

Table 147. Asia-Pacific Ultrafine Glass Fiber (AGM) Separators Sales Quantity by Type (2024-2029) & (Tons)

Table 148. Asia-Pacific Ultrafine Glass Fiber (AGM) Separators Sales Quantity by Application (2018-2023) & (Tons)

Table 149. Asia-Pacific Ultrafine Glass Fiber (AGM) Separators Sales Quantity by Application (2024-2029) & (Tons)

Table 150. Asia-Pacific Ultrafine Glass Fiber (AGM) Separators Sales Quantity by Region (2018-2023) & (Tons)

Table 151. Asia-Pacific Ultrafine Glass Fiber (AGM) Separators Sales Quantity by Region (2024-2029) & (Tons)

Table 152. Asia-Pacific Ultrafine Glass Fiber (AGM) Separators Consumption Value by Region (2018-2023) & (USD Million)

Table 153. Asia-Pacific Ultrafine Glass Fiber (AGM) Separators Consumption Value by Region (2024-2029) & (USD Million)

Table 154. South America Ultrafine Glass Fiber (AGM) Separators Sales Quantity by Type (2018-2023) & (Tons)

Table 155. South America Ultrafine Glass Fiber (AGM) Separators Sales Quantity by Type (2024-2029) & (Tons)

Table 156. South America Ultrafine Glass Fiber (AGM) Separators Sales Quantity by Application (2018-2023) & (Tons)

Table 157. South America Ultrafine Glass Fiber (AGM) Separators Sales Quantity by Application (2024-2029) & (Tons)

Table 158. South America Ultrafine Glass Fiber (AGM) Separators Sales Quantity by Country (2018-2023) & (Tons)

Table 159. South America Ultrafine Glass Fiber (AGM) Separators Sales Quantity by Country (2024-2029) & (Tons)

Table 160. South America Ultrafine Glass Fiber (AGM) Separators Consumption Value by Country (2018-2023) & (USD Million)

Table 161. South America Ultrafine Glass Fiber (AGM) Separators Consumption Value by Country (2024-2029) & (USD Million)

Table 162. Middle East & Africa Ultrafine Glass Fiber (AGM) Separators Sales Quantity by Type (2018-2023) & (Tons)

Table 163. Middle East & Africa Ultrafine Glass Fiber (AGM) Separators Sales Quantity by Type (2024-2029) & (Tons)

Table 164. Middle East & Africa Ultrafine Glass Fiber (AGM) Separators Sales Quantity



by Application (2018-2023) & (Tons)

Table 165. Middle East & Africa Ultrafine Glass Fiber (AGM) Separators Sales Quantity by Application (2024-2029) & (Tons)

Table 166. Middle East & Africa Ultrafine Glass Fiber (AGM) Separators Sales Quantity by Region (2018-2023) & (Tons)

Table 167. Middle East & Africa Ultrafine Glass Fiber (AGM) Separators Sales Quantity by Region (2024-2029) & (Tons)

Table 168. Middle East & Africa Ultrafine Glass Fiber (AGM) Separators Consumption Value by Region (2018-2023) & (USD Million)

Table 169. Middle East & Africa Ultrafine Glass Fiber (AGM) Separators Consumption Value by Region (2024-2029) & (USD Million)

Table 170. Ultrafine Glass Fiber (AGM) Separators Raw Material

Table 171. Key Manufacturers of Ultrafine Glass Fiber (AGM) Separators Raw Materials

Table 172. Ultrafine Glass Fiber (AGM) Separators Typical Distributors

Table 173. Ultrafine Glass Fiber (AGM) Separators Typical Customers



# **List Of Figures**

#### LIST OF FIGURES

Figure 1. Ultrafine Glass Fiber (AGM) Separators Picture

Figure 2. Global Ultrafine Glass Fiber (AGM) Separators Consumption Value by Type, (USD Million), 2018 & 2022 & 2029

Figure 3. Global Ultrafine Glass Fiber (AGM) Separators Consumption Value Market Share by Type in 2022

Figure 4. Thickness (d): 10Kpa Examples

Figure 5. Thickness (d): 20Kpa Examples

Figure 6. Thickness (d): 100Kpa Examples

Figure 7. Global Ultrafine Glass Fiber (AGM) Separators Consumption Value by Application, (USD Million), 2018 & 2022 & 2029

Figure 8. Global Ultrafine Glass Fiber (AGM) Separators Consumption Value Market Share by Application in 2022

Figure 9. Lead-acid Batteries Examples

Figure 10. Start-stop Battery Examples

Figure 11. Others Examples

Figure 12. Global Ultrafine Glass Fiber (AGM) Separators Consumption Value, (USD Million): 2018 & 2022 & 2029

Figure 13. Global Ultrafine Glass Fiber (AGM) Separators Consumption Value and Forecast (2018-2029) & (USD Million)

Figure 14. Global Ultrafine Glass Fiber (AGM) Separators Sales Quantity (2018-2029) & (Tons)

Figure 15. Global Ultrafine Glass Fiber (AGM) Separators Average Price (2018-2029) & (US\$/Ton)

Figure 16. Global Ultrafine Glass Fiber (AGM) Separators Sales Quantity Market Share by Manufacturer in 2022

Figure 17. Global Ultrafine Glass Fiber (AGM) Separators Consumption Value Market Share by Manufacturer in 2022

Figure 18. Producer Shipments of Ultrafine Glass Fiber (AGM) Separators by Manufacturer Sales Quantity (\$MM) and Market Share (%): 2021

Figure 19. Top 3 Ultrafine Glass Fiber (AGM) Separators Manufacturer (Consumption Value) Market Share in 2022

Figure 20. Top 6 Ultrafine Glass Fiber (AGM) Separators Manufacturer (Consumption Value) Market Share in 2022

Figure 21. Global Ultrafine Glass Fiber (AGM) Separators Sales Quantity Market Share by Region (2018-2029)



Figure 22. Global Ultrafine Glass Fiber (AGM) Separators Consumption Value Market Share by Region (2018-2029)

Figure 23. North America Ultrafine Glass Fiber (AGM) Separators Consumption Value (2018-2029) & (USD Million)

Figure 24. Europe Ultrafine Glass Fiber (AGM) Separators Consumption Value (2018-2029) & (USD Million)

Figure 25. Asia-Pacific Ultrafine Glass Fiber (AGM) Separators Consumption Value (2018-2029) & (USD Million)

Figure 26. South America Ultrafine Glass Fiber (AGM) Separators Consumption Value (2018-2029) & (USD Million)

Figure 27. Middle East & Africa Ultrafine Glass Fiber (AGM) Separators Consumption Value (2018-2029) & (USD Million)

Figure 28. Global Ultrafine Glass Fiber (AGM) Separators Sales Quantity Market Share by Type (2018-2029)

Figure 29. Global Ultrafine Glass Fiber (AGM) Separators Consumption Value Market Share by Type (2018-2029)

Figure 30. Global Ultrafine Glass Fiber (AGM) Separators Average Price by Type (2018-2029) & (US\$/Ton)

Figure 31. Global Ultrafine Glass Fiber (AGM) Separators Sales Quantity Market Share by Application (2018-2029)

Figure 32. Global Ultrafine Glass Fiber (AGM) Separators Consumption Value Market Share by Application (2018-2029)

Figure 33. Global Ultrafine Glass Fiber (AGM) Separators Average Price by Application (2018-2029) & (US\$/Ton)

Figure 34. North America Ultrafine Glass Fiber (AGM) Separators Sales Quantity Market Share by Type (2018-2029)

Figure 35. North America Ultrafine Glass Fiber (AGM) Separators Sales Quantity Market Share by Application (2018-2029)

Figure 36. North America Ultrafine Glass Fiber (AGM) Separators Sales Quantity Market Share by Country (2018-2029)

Figure 37. North America Ultrafine Glass Fiber (AGM) Separators Consumption Value Market Share by Country (2018-2029)

Figure 38. United States Ultrafine Glass Fiber (AGM) Separators Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 39. Canada Ultrafine Glass Fiber (AGM) Separators Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 40. Mexico Ultrafine Glass Fiber (AGM) Separators Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 41. Europe Ultrafine Glass Fiber (AGM) Separators Sales Quantity Market Share



by Type (2018-2029)

Figure 42. Europe Ultrafine Glass Fiber (AGM) Separators Sales Quantity Market Share by Application (2018-2029)

Figure 43. Europe Ultrafine Glass Fiber (AGM) Separators Sales Quantity Market Share by Country (2018-2029)

Figure 44. Europe Ultrafine Glass Fiber (AGM) Separators Consumption Value Market Share by Country (2018-2029)

Figure 45. Germany Ultrafine Glass Fiber (AGM) Separators Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 46. France Ultrafine Glass Fiber (AGM) Separators Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 47. United Kingdom Ultrafine Glass Fiber (AGM) Separators Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 48. Russia Ultrafine Glass Fiber (AGM) Separators Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 49. Italy Ultrafine Glass Fiber (AGM) Separators Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 50. Asia-Pacific Ultrafine Glass Fiber (AGM) Separators Sales Quantity Market Share by Type (2018-2029)

Figure 51. Asia-Pacific Ultrafine Glass Fiber (AGM) Separators Sales Quantity Market Share by Application (2018-2029)

Figure 52. Asia-Pacific Ultrafine Glass Fiber (AGM) Separators Sales Quantity Market Share by Region (2018-2029)

Figure 53. Asia-Pacific Ultrafine Glass Fiber (AGM) Separators Consumption Value Market Share by Region (2018-2029)

Figure 54. China Ultrafine Glass Fiber (AGM) Separators Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 55. Japan Ultrafine Glass Fiber (AGM) Separators Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 56. Korea Ultrafine Glass Fiber (AGM) Separators Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 57. India Ultrafine Glass Fiber (AGM) Separators Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 58. Southeast Asia Ultrafine Glass Fiber (AGM) Separators Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 59. Australia Ultrafine Glass Fiber (AGM) Separators Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 60. South America Ultrafine Glass Fiber (AGM) Separators Sales Quantity Market Share by Type (2018-2029)



Figure 61. South America Ultrafine Glass Fiber (AGM) Separators Sales Quantity Market Share by Application (2018-2029)

Figure 62. South America Ultrafine Glass Fiber (AGM) Separators Sales Quantity Market Share by Country (2018-2029)

Figure 63. South America Ultrafine Glass Fiber (AGM) Separators Consumption Value Market Share by Country (2018-2029)

Figure 64. Brazil Ultrafine Glass Fiber (AGM) Separators Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 65. Argentina Ultrafine Glass Fiber (AGM) Separators Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 66. Middle East & Africa Ultrafine Glass Fiber (AGM) Separators Sales Quantity Market Share by Type (2018-2029)

Figure 67. Middle East & Africa Ultrafine Glass Fiber (AGM) Separators Sales Quantity Market Share by Application (2018-2029)

Figure 68. Middle East & Africa Ultrafine Glass Fiber (AGM) Separators Sales Quantity Market Share by Region (2018-2029)

Figure 69. Middle East & Africa Ultrafine Glass Fiber (AGM) Separators Consumption Value Market Share by Region (2018-2029)

Figure 70. Turkey Ultrafine Glass Fiber (AGM) Separators Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 71. Egypt Ultrafine Glass Fiber (AGM) Separators Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 72. Saudi Arabia Ultrafine Glass Fiber (AGM) Separators Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 73. South Africa Ultrafine Glass Fiber (AGM) Separators Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 74. Ultrafine Glass Fiber (AGM) Separators Market Drivers

Figure 75. Ultrafine Glass Fiber (AGM) Separators Market Restraints

Figure 76. Ultrafine Glass Fiber (AGM) Separators Market Trends

Figure 77. Porters Five Forces Analysis

Figure 78. Manufacturing Cost Structure Analysis of Ultrafine Glass Fiber (AGM) Separators in 2022

Figure 79. Manufacturing Process Analysis of Ultrafine Glass Fiber (AGM) Separators

Figure 80. Ultrafine Glass Fiber (AGM) Separators Industrial Chain

Figure 81. Sales Quantity Channel: Direct to End-User vs Distributors

Figure 82. Direct Channel Pros & Cons

Figure 83. Indirect Channel Pros & Cons

Figure 84. Methodology

Figure 85. Research Process and Data Source



#### I would like to order

Product name: Global Ultrafine Glass Fiber (AGM) Separators Market 2023 by Manufacturers, Regions,

Type and Application, Forecast to 2029

Product link: https://marketpublishers.com/r/G3C215984078EN.html

Price: US\$ 3,480.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer

Service:

info@marketpublishers.com

# **Payment**

First name:

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <a href="https://marketpublishers.com/r/G3C215984078EN.html">https://marketpublishers.com/r/G3C215984078EN.html</a>

To pay by Wire Transfer, please, fill in your contact details in the form below:

Last name:	
Email:	
Company:	
Address:	
City:	
Zip code:	
Country:	
Tel:	
Fax:	
Your message:	
	**All fields are required
	Custumer signature

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <a href="https://marketpublishers.com/docs/terms.html">https://marketpublishers.com/docs/terms.html</a>

To place an order via fax simply print this form, fill in the information below and fax the completed form to +44 20 7900 3970

