

Asia Pacific Nonwovens for Energy Applications Market Forecast to 2031 - Regional Analysis - by Type (Titanium and Stainless Steel) and End User (Hospitals, Specialty Clinics and Others)

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Abstracts

The Asia Pacific nonwovens for energy applications market was valued at US\$ 8,649.41 thousand in 2023 and is expected to reach US\$ 90,114.55 thousand by 2031; it is estimated to register a CAGR of 34.0% from 2023 to 2031.

Government Regulations and Incentives Associated with Clean Energy Drive Asia Pacific Nonwovens for Energy Applications Market

Government policies have a significant influence on hydrogen fuel cells and clean energy technologies. These policies influence the demand for advanced materials, including nonwovens, critical for enhancing the performance and efficiency of energy systems. Governments of various countries across the globe have set ambitious targets to lower carbon emissions, encouraging the adoption of clean energy technologies. A few governments are also designing strategies to promote green hydrogen production, using renewable energy sources to electrolyze water. Several subsidies and grants are being offered by the government for research and development in clean energy technologies. Tax credits and rebates for the adoption of clean energy technologies encourage industries and consumers to invest in hydrogen fuel cells and related applications. The regulatory push toward clean energy solutions have increased the demand for high-performance nonwovens in hydrogen fuel cells and other clean energy applications. Thus, government regulations and incentives associated with clean energy are anticipated to create numerous opportunities for the Asia Pacific nonwovens for energy applications market growth during the forecast period.

Asia Pacific Nonwovens for Energy Applications Market Overview

China is one of the global leaders in the adoption and development of new energy vehicles, including fuel cell vehicles. The government of China invests in hydrogen fuel cell technology as a part of its strategy to reduce pollution and dependence on non-renewable resources. Manufacturers in China offer nonwoven portfolios for domestic applications and are also major exporters of these materials. According to the China Hydrogen Alliance, the country's hydrogen output will reach US\$ 139 billion by 2025. As per the hydrogen development plan published in 2022, China has set a goal to sell 50,000 fuel cell vehicles by 2025. Thus, China's strong manufacturing base for the automotive industry and developed wind energy industry have positioned the country as a strong market for nonwovens for energy applications.

Asia Pacific Nonwovens for Energy Applications Market Revenue and Forecast to 2031 (US\$ Thousand)

Asia Pacific Nonwovens for Energy Applications Market Segmentation

The Asia Pacific nonwovens for energy applications market is categorized into type, application, and country.

Based on type, the Asia Pacific nonwovens for energy applications market is categorized into carbon fiber, titanium fiber, and others. The titanium fiber segment held the largest market share in 2023.

In terms of application, the Asia Pacific nonwovens for energy applications market is segmented into battery, Fuel Cell Gas Diffusion Layer (GDL), PTL fuel, and wind energy. The Fuel Cell Gas Diffusion Layer (GDL) segment held the largest market share in 2023.

By country, the Asia Pacific nonwovens for energy applications market is segmented into China, Japan, India, Australia, South Korea, and the Rest of Asia Pacific. China dominated the Asia Pacific nonwovens for energy applications market share in 2023.

DeatexGroup S.r.l., Technical Fibers Products, Freudenberg Group, SGL Carbon SE, Lydall Inc, AstenJohnson Inc, and Hoftex Group AG are some of the leading companies operating in the Asia Pacific nonwovens for energy applications market.

Reason to buy

Save and reduce time carrying out entry-level research by identifying the growth, size, leading players, and segments in the Asia Pacific nonwovens for energy applications market.

Highlights key business priorities in order to assist companies to realign their business strategies.

The key findings and recommendations highlight crucial progressive industry trends in the Asia Pacific nonwovens for energy applications market, thereby allowing players across the value chain to develop effective long-term strategies.

Develop/modify business expansion plans by using substantial growth offering developed and emerging markets.

Scrutinize in-depth Asia Pacific market trends and outlook coupled with the factors driving the Asia Pacific nonwovens for energy applications market, as well as those hindering it.

Enhance the decision-making process by understanding the strategies that underpin commercial interest with respect to client products, segmentation, pricing, and distribution.

The List of Companies - Asia Pacific Nonwovens for Energy Applications Market

Technical Fibers Products

Freudenberg Group

DeatexGroup S.r.l.

SGL Carbon SE

Lydall Inc

AstenJohnson Inc

Hoftex Group AG

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