

Acoustic Materials Market - Global Industry Size, Share, Trends, Opportunity, and Forecast, Segmented By Material Type (PP, PE, ABS, PU, PVC, PA, Others), By End User (Construction, Automotive, Marine, Others), By Region & Competition, 2021-2031F

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Abstracts

The Global Acoustic Materials Market is projected to grow from USD 6.13 Billion in 2025 to USD 7.83 Billion by 2031 at a 4.16% CAGR. These specialized materials are engineered to absorb, block, and attenuate sound waves, effectively regulating noise in diverse settings. Growth is predominantly fueled by strict noise pollution laws and the ongoing development of commercial and institutional facilities. As construction professionals focus on meeting regulatory standards, the need for effective soundproofing rises. This trend is supported by data from the American Institute of Architects, which noted a 6.0 percent rise in institutional facility spending in 2025, a surge that directly accelerates the uptake of acoustic insulation.

Even with strong demand, the sector encounters major hurdles due to the unstable pricing of raw materials. Manufacturing soundproofing solutions depends significantly on mineral wool and petroleum derivatives. Price fluctuations for these core components have a direct effect on overall production expenses. As a result, higher manufacturing costs result in elevated retail prices, potentially hindering market penetration in emerging economies.

Market Driver

The growing global construction sector and rapid urban development are major catalysts for the uptake of soundproofing technologies. As cities grow more crowded, the close placement of commercial and residential areas generates substantial noise

issues, requiring the inclusion of acoustic materials within building structures to maintain a high quality indoor environment. A January 2026 report from the United States Census Bureau regarding October 2025 monthly construction spending indicated a seasonally adjusted annual rate of \$2,175.2 billion during that month. Such infrastructure expansion directly increases the use of insulation materials. Corresponding to this sustained demand, the broader industry shows consistent financial results, with Rockwool reporting a revenue of 3,877 MEUR in 2025.

Another significant driver for market expansion is the rising need for noise, vibration, and harshness management within the automotive industry. The shift toward electric vehicles drastically changes interior acoustics, as the lack of an internal combustion engine makes wind and road noise more prominent to passengers. To counter this, automakers install specific acoustic materials across the vehicle interior. The March 2026 'Get Connected Electric Vehicle Report Q4 2025' by the Alliance for Automotive Innovation highlighted that electric vehicles accounted for 9.6 percent of all new light-duty vehicle sales in the United States throughout 2025. With manufacturers increasingly emphasizing passenger comfort, the application of highly effective acoustic materials continues to grow.

Market Challenge

Ongoing instability in raw material pricing presents a significant constraint for the global acoustic materials sector. Producing these soundproofing items depends heavily on petroleum derivatives and mineral wool, both of which experience frequent and sharp price changes. Surges in the cost of these fundamental components place instant pressure on manufacturer profit margins. This situation actively limits market expansion in emerging nations characterized by strong price sensitivity. Because the overall cost of acoustic applications rises, budget-constrained infrastructure initiatives frequently reduce their use of these materials, thereby shrinking the potential customer pool.

Data from the Associated General Contractors of America reveals that the producer price index for nonresidential construction materials and services increased by 3.3 percent in 2025. This rise in construction expenses illustrates the broader pricing strain affecting supply networks. Higher manufacturing costs restrict the ability of acoustic material providers to enter new geographic regions. Ultimately, the erratic pricing of raw materials serves as a persistent barrier, complicating the maintenance of competitive pricing strategies and slowing down overall product adoption.

Market Trends

The industry's manufacturing landscape is being reshaped by a growing preference for sustainable and recycled acoustic materials. While producers traditionally depended on virgin petroleum derivatives, they are now frequently integrating renewable resources and recycled consumer waste into their soundproofing products. This shift not only minimizes environmental impact but also helps shield manufacturers from volatile raw material prices. In its April 2026 '2025 Planet Passionate Report', Kingspan noted the use of 1.05 million tonnes of renewable and recycled materials during production. Utilizing these eco-friendly inputs enables companies to manage costs effectively, cut down on waste, and fulfill rigorous green building standards.

Advancements in acoustic metamaterials mark a significant technological leap past traditional soundproofing methods. Instead of depending on sheer mass like typical insulation, metamaterials feature specialized internal designs to control acoustic waves on a subwavelength level. This innovation results in lightweight materials that effectively block disruptive frequencies. A March 2026 press release from the National Academy of Sciences, titled 'PNAS Announces Six 2025 Cozzarelli Prize Recipients', reported that a novel composite acoustic metamaterial demonstrated over 97 percent sound absorption within the low-frequency spectrum of 227 to 329 hertz. Such precisely engineered materials enable architects to achieve superior noise reduction even in highly limited spaces.

Key Market Players

Sika AG

Rockwool International A/S

DuPont de Nemours Inc

Gebr. Knauf KG

The 3M Company

BASF SE

Saint-Gobain Group

Fletcher Insulation Pty. Ltd.

dB Acoustics Pte Ltd.

Bayer AG

Report Scope

In this report, the Global Acoustic Materials Market has been segmented into the following categories, in addition to the industry trends which have also been detailed below:

Acoustic Materials Market, By Material Type

PP

PE

ABS

PU

PVC

PA

Others

Acoustic Materials Market, By End User

Construction

Automotive

Marine

Others

Acoustic Materials Market, By Region

North America

United States

Canada

Mexico

Europe

France

United Kingdom

Italy

Germany

Spain

Asia Pacific

China

India

Japan

Australia

South Korea

South America

Brazil

Argentina

Colombia

Middle East & Africa

South Africa

Saudi Arabia

UAE

Competitive Landscape

Company Profiles: Detailed analysis of the major companies present in the Global Acoustic Materials Market.

Available Customizations:

Global Acoustic Materials Market report with the given market data, TechSci Research offers customizations according to a company's specific needs. The following customization options are available for the report:

Company Information

Detailed analysis and profiling of additional market players (up to five).

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