

Low-Frequency Sound-Absorbing Insulation Materials Market by Type (Foam, Others), Application (Under the Bonnet, Interior) and Region (Europe, North America, Rest of the World) - Global Forecast to 2025

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Abstracts

The Low-frequency sound-absorbing insulation materials market size is estimated to grow from USD 151 million in 2020 to USD 165 million by 2025, at a CAGR of 1.8%. Several regulatory authorities guide and regulate the North American automotive industry, including Federal Motor Vehicle Safety Standards (FMVSS) and National Highway and Traffic Safety Administration (NHTSA) regulate the vehicle and road safety norms. In Canada, Canada Motor Vehicle Safety Standards (CMVSS) is the regulatory body for traffic and automobile safety. Also, in Europe several regulatory authorities guide and regulate the global automotive industry, including the United Nation Economic Commission of Europe (ECE) and EU (EG directive) in Europe. The NVH regulations for automobiles are becoming more stringent, and this trend is expected to prevail in the coming years, thus driving the consumption of NVH materials, including sound-absorbing insulation material for automotive applications.

The foam segment is expected to dominate the market during the forecast period

Foam is the most widely used insulation material used as low-frequency sound-absorbing insulation material. Both open and closed-cell foams are used in acoustic insulation. Foam and foam-based materials are the materials that cater to a wide range of application segments when it comes to the handling of different frequencies of noise. Both closed-cell and open-cell foams are used in noise insulation. Companies are mostly catering to mid-and-high-frequency requirements. But, with further modifications, the same material could be used for low-frequency ranges.

The interior application segment is expected to hold the largest market share, in terms of value, between 2020 and 2025

Interior applications include floor covering, underbody cladding, luggage compartment, and door trims among others. In any luxury vehicle, the engine is quiet when compared to normal vehicle. This is the reason that insulation of interior space is slightly more when compared to engines in a luxury vehicle. On the other hand, Engine and under the bonnet application include engine and under the bonnet area which is insulated. This application area accounted for a smaller share when compared to interior segment. This is because engine area of luxury cars is quite and needs less insulation.

Europe is expected to record the highest growth rate in the low frequency sound absorbing insulation materials market during the forecast period

Europe was the largest market for low-frequency sound-absorbing insulation material. This is because of the presence of major manufacturers of luxury and electric vehicles in European region. In Europe, Germany was the largest market for low-frequency sound-absorbing insulation material. This is because of the presence of major manufacturers of luxury and electric vehicles in Germany including BMW, and Mercedes Benz among others. Over the years, electric vehicles have emerged as the most appropriate solution to reduce the emission of gases by ICE vehicles. Initially, high production cost, limited drive range, and long charging time were the key obstacles in the electric vehicles market. However, over the last decade, advancements in technology have helped manufacturers overcome these obstacles. For instance, Tesla has introduced innovative superchargers that can charge electric vehicle battery up to 80% in less than 30 minutes. In recent years, over-dependency on oil for transportation has caused tremendous loss to the environment

In the process of determining and verifying the market size for segments identified through secondary research, extensive primary interviews were conducted. A breakdown of the primary interviewees are as follows:

By Company Type: Tier 1 - 60%, Tier 2 - 20%, and Tier 3 - 20%

By Designation: C-Level - 33%, Director Level - 33%, and Others - 34%

By Region: North America - 30%, Europe - 45%, Rest of the World- 25%

The key market players profiled in the report include Saint-Gobain (France), Autoneum (Switzerland), 3M (US), DuPont (US), BASF (Germany), Mitsubishi Chemical Holdings (Japan), and Stevens Insulation LLC (US)

Research Coverage

The market study covers the low frequency sound absorbing insulation materials market across segments. It aims at estimating the size and the growth potential of this market, across different segments, such as material, application, and region. The study also includes an in-depth competitive analysis of the key market players, along with their company profiles, key observations related to product and business offerings, recent developments, and key market strategies.

Reasons to Buy this Report

The report will help the market leaders/new entrants in this market with information on the closest approximations of the revenue numbers for the overall low frequency sound absorbing insulation materials in different segments. This report will help stakeholders understand the competitive landscape and gain more insights to position their businesses better and to plan suitable go-to-market strategies. The report also helps stakeholders understand the pulse of the market and provides them with information on key market drivers, restraints, and opportunities.

The report provides insights on the following pointers:

Market Penetration: Comprehensive information on low frequency sound absorbing insulation materials offered by top players in the global market

Market Development: Comprehensive information about lucrative emerging markets — the report analyzes the markets for low frequency sound absorbing insulation materials across regions

Market Diversification: Exhaustive information about new products, untapped regions, and recent developments in the global low frequency sound absorbing insulation materials market

Competitive Assessment: In-depth assessment of market shares, strategies, products, and manufacturing capabilities of leading players in the low frequency sound absorbing insulation materials market

Impact of COVID-19 on the low frequency sound absorbing insulation materials Market

Contents

1 INTRODUCTION

- 1.1 OBJECTIVES OF THE STUDY
- 1.2 MARKET DEFINITION
 - 1.2.1 MARKET DEFINITION: APPLICATION
 - 1.2.2 MARKET DEFINITION: MATERIAL
 - 1.2.3 INCLUSIONS & EXCLUSIONS
- 1.3 MARKET SCOPE
- 1.4 YEARS CONSIDERED FOR THE STUDY
- 1.5 CURRENCY
- 1.6 STAKEHOLDERS
- 1.7 LIMITATIONS

2 RESEARCH METHODOLOGY

- 2.1 RESEARCH DATA
 - 2.1.1 SECONDARY DATA
 - 2.1.1.1 Key data from secondary sources
 - 2.1.1.2 Key secondary sources
 - 2.1.2 PRIMARY DATA
 - 2.1.2.1 Key data from primary sources
 - 2.1.2.2 List of primary sources – demand side
 - 2.1.2.3 Key verbatim comments
 - 2.1.2.4 Breakdown of primary
 - 2.2 BASE NUMBER CALCULATION: DEMAND SIDE ANALYSIS
 - 2.3 STUDY APPROACH
 - 2.4 MARKET SIZE ESTIMATION
 - 2.4.1 TOP-DOWN APPROACH
 - 2.4.2 BOTTOM-UP APPROACH
 - 2.5 DATA TRIANGULATION
 - 2.6 PARAMETERS & ASSUMPTIONS
 - 2.6.1 LOW-FREQUENCY SOUND-ABSORBING INSULATION MATERIALS
- MARKET: FACTORS IMPACTING THE MARKET FOR LUXURY VEHICLES

3 EXECUTIVE SUMMARY

3.1 INTRODUCTION

3.2 LOW FREQUENCY INSULATION MARKET: REALISTIC, PESSIMISTIC, OPTIMISTIC, AND PRE-COVID-19 SCENARIOS

- 3.2.1 REALISTIC SCENARIO
- 3.1.2 NON-COVID-19 SCENARIO
- 3.1.3 OPTIMISTIC SCENARIO
- 3.1.4 PESSIMISTIC SCENARIO

4 PREMIUM INSIGHTS

- 4.1 ATTRACTIVE OPPORTUNITIES IN LOW-FREQUENCY SOUND-ABSORBING INSULATION MATERIALS MARKET
- 4.2 LOW-FREQUENCY SOUND-ABSORBING INSULATION MATERIALS MARKET, BY APPLICATION, 2020-2025
- 4.3 LOW-FREQUENCY SOUND-ABSORBING INSULATION MATERIALS MARKET, BY APPLICATION AND PRODUCT TYPE, 2019

5 MARKET OVERVIEW

- 5.1 INTRODUCTION
- 5.2 MARKET DYNAMICS
 - 5.2.1 DRIVERS
 - 5.2.2 RESTRAINTS
 - 5.2.3 OPPORTUNITIES
- 5.3 PORTER'S FIVE FORCES ANALYSIS
 - 5.3.1 BARGAINING POWER OF SUPPLIERS
 - 5.3.2 THREAT OF NEW ENTRANTS
 - 5.3.3 THREAT OF SUBSTITUTES
 - 5.3.4 BARGAINING POWER OF BUYERS
 - 5.3.5 INTENSITY OF COMPETITIVE RIVALRY
- 5.4 REGULATIONS AND ITS IMPACT ON LOW-FREQUENCY SOUND-ABSORBING INSULATION MATERIALS MARKET
 - 5.4.1 NORTH AMERICA: AN OVERVIEW
 - 5.4.2 EUROPE: AN OVERVIEW
 - 5.4.3 ASIA PACIFIC: AN OVERVIEW
- 5.5 VALUE CHAIN ANALYSIS AND COST ANALYSIS OF LOW-FREQUENCY SOUND-ABSORBING INSULATION MATERIALS
- 5.6 PROFIT MARGIN ANALYSIS
- 5.7 FUTURE REVENUE MIX: YC SHIFT AND YCC SHIFT
- 5.8 CASE STUDY

- 5.9 PATENT ANALYSIS
- 5.10 MACROECONOMIC INDICATORS
- 5.11 COVID-19 IMPACT
- 5.12 COVID-19 IMPACT ECONOMIC SCENARIO

6 INDUSTRY TRENDS

- 6.1 SOURCES OF NVH
- 6.2 SOURCES OF ORIGIN FOR LOW-FREQUENCY NOISE IN AUTOMOTIVE PARTS
- 6.3 IN-BUILT FEATURES AND MATERIALS USED TO REDUCE LOW FREQUENCY NOISE
- 6.4 VERBATIMS

7 LOW-FREQUENCY SOUND-ABSORBING INSULATION MATERIALS MARKET – COVID-19 IMPACT

- 7.1 INSIGHTS ON EV SALES AND COVID-19 PANDEMIC IMPACT
 - 7.1.1 COVID-19 IMPACT ON ELECTRIC VEHICLES
 - 7.1.2 COVID-19 IMPACT ON PREMIUM VEHICLES
 - 7.1.3 COVID-19 IMPACT ON VEHICLES

8 LOW-FREQUENCY SOUND-ABSORBING INSULATION MATERIALS MARKET, BY MATERIAL

- 8.1 INTRODUCTION
- 8.2 FOAM
- 8.3 OTHERS

9 LOW-FREQUENCY SOUND-ABSORBING INSULATION MATERIALS MARKET, BY APPLICATION

- 9.1 INTRODUCTION
- 9.2 ENGINE AND UNDER THE BONNET
- 9.3 INTERIOR

10 LOW-FREQUENCY SOUND-ABSORBING INSULATION MATERIALS MARKET, BY REGION

- 10.1 INTRODUCTION

10.2 EUROPE

10.2.1 GERMANY

10.2.2 REST OF EUROPE

10.3 NORTH AMERICA

10.3.1 US

10.3.2 REST OF NORTH AMERICA

10.4 REST OF THE WORLD

10.4.1 CHINA

10.4.2 OTHERS

11 CUSTOMER INSIGHTS

11.1 INFLUENCING FACTORS FOR INNOVATION IN NVH MATERIALS

11.2 OEM PREFERENCE AND KEY CHALLENGES

11.3 KEY PARAMETERS FOR CHOOSING INSULATION MATERIALS FOR LOW FREQUENCY- IMPORTANCE VS. SATISFACTION LEVEL

11.4 SATISFACTION LEVELS & UNMET NEEDS

11.5 WILLINGNESS TO PAY PREMIUM PRICES

12 COMPETITIVE LANDSCAPE

12.1 INTRODUCTION

12.2 MARKET RANKING OF KEY PLAYERS IN LOW-FREQUENCY SOUND-ABSORBING INSULATION MATERIALS MARKET, 2019

12.3 COMPANY EVALUATION MATRIX DEFINITIONS AND METHODOLOGY

12.3.1 STAR

12.3.2 EMERGING LEADERS

12.3.3 PERVASIVE

12.3.4 EMERGING COMPANIES

12.4 PRODUCT PORTFOLIO ANALYSIS OF TOP PLAYERS IN LOW FREQUENCY INSULATION MARKET, 2019

12.5 PRODUCT COMPARISON OFFERED BY KEY PLAYERS

13 COMPANY PROFILES

(Business overview, Products offered, Recent Developments, SWOT Analysis, Winning Imperatives, Current Focus and Strategies, Threat from Competition, Feedback from Customers, Unique Selling Points, Saint-Gobain's Right to Win, MNM view)*

13.1 SAINT-GOBAIN

13.2 AUTONEUM

13.3 3M

13.4 DUPONT

13.5 BASF SE

13.6 MITSUBISHI CHEMICAL HOLDINGS

13.7 STEVENS INSULATION, LLC

*Details on Business overview, Products offered, Recent Developments, SWOT Analysis, Winning Imperatives, Current Focus and Strategies, Threat from Competition, Feedback from Customers, Unique Selling Points, Saint-Gobain's Right to Win, MNM view might not be captured in case of unlisted companies.

14 ADJACENT & RELATED MARKETS

14.1 ELECTRIC VEHICLE INSULATION MARKET

15 APPENDIX

15.1 DISCUSSION GUIDE

15.2 KNOWLEDGE STORE: MARKETSandMARKETS SUBSCRIPTION PORTAL

15.3 RELATED REPORTS

15.4 AUTHOR DETAILS

LIST OF TABLES

TABLE 1 INCLUSIONS & EXCLUSIONS

TABLE 2 LIST OF PRIMARY SOURCES: DEMAND SIDE

TABLE 3 EURO VI EMISSION LIMITS (PETROL)

TABLE 4 EURO VI EMISSION LIMITS (DIESEL)

TABLE 5 PREVIOUS EURO EMISSION STANDARDS

TABLE 6 EURO VI STAGES AND OCE/ISC REQUIREMENTS

TABLE 7 PATENT ANALYSIS

TABLE 8 GDP FORECAST FOR KEY COUNTRIES

TABLE 9 SOURCES OF NVH

TABLE 10 INSULATION MATERIALS ARE/CAN BE USED FOR LOW FREQUENCY SOUND ABSORPTION

TABLE 11 COVID-19 IMPACT ON ELECTRIC VEHICLE ECOSYSTEM

TABLE 12 COVID-19 IMPACT ON ELECTRIC VEHICLE OEMS

TABLE 13 COVID-19 IMPACT ON PREMIUM VEHICLE PRODUCTION, CURRENT AND FORECAST, 2019-2025 (THOUSAND UNITS)

TABLE 14 COVID-19 IMPACT ON PREMIUM VEHICLE OEMS

TABLE 15 PREMIUM VEHICLE PRODUCTION, BY COMPANY, 2018-2019

TABLE 16 COVID-19 IMPACT ON SALES REVENUE, BY COMPANY, 2018-2019

TABLE 17 LOW-FREQUENCY SOUND-ABSORBING INSULATION MATERIALS MARKET, BY MATERIAL, 2019-2025 (USD MILLION)

TABLE 18 LOW-FREQUENCY SOUND-ABSORBING INSULATION MATERIALS MARKET, BY APPLICATION, 2019-2025 (USD MILLION)

TABLE 19 LOW-FREQUENCY SOUND-ABSORBING INSULATION MATERIALS MARKET, BY REGION, 2019-2025 (USD MILLION)

TABLE 20 EUROPE: LOW-FREQUENCY SOUND-ABSORBING INSULATION MATERIALS MARKET, 2019-2025 (USD MILLION)

TABLE 21 NORTH AMERICA: LOW-FREQUENCY SOUND-ABSORBING INSULATION MATERIALS MARKET, 2019-2025 (USD MILLION)

TABLE 22 ROW: LOW-FREQUENCY SOUND-ABSORBING INSULATION MATERIALS MARKET, 2019-2025 (USD MILLION)

TABLE 23 PRODUCT COMPARISON OFFERED BY KEY PLAYERS

TABLE 24 ELECTRIC VEHICLE INSULATION MARKET SIZE, BY PRODUCT TYPE, 2017–2024 (USD MILLION)

TABLE 25 ELECTRIC VEHICLE INSULATION MARKET SIZE, BY PROPULSION TYPE, 2017–2024 (USD MILLION)

TABLE 26 ELECTRIC VEHICLE SALES MARKET, BY PROPULSION TYPE, 2017–2030 (THOUSAND UNITS)

TABLE 27 ELECTRIC VEHICLE INSULATION MARKET SIZE IN BEV, BY APPLICATION, 2017–2024 (USD MILLION)

TABLE 28 ELECTRIC VEHICLE INSULATION MARKET SIZE IN BEV, BY INSULATION TYPE, 2017–2024 (USD MILLION)

TABLE 29 BEV SALES, BY REGION 2017–2030 (THOUSAND UNITS)

TABLE 30 ELECTRIC VEHICLE INSULATION MARKET SIZE IN PHEV, BY APPLICATION, 2017–2024 (USD MILLION)

TABLE 31 ELECTRIC VEHICLE INSULATION MARKET SIZE IN PHEV, BY INSULATION TYPE, 2017–2024 (USD MILLION)

TABLE 32 PHEV SALES, BY REGION 2017–2030 (THOUSAND UNITS)

TABLE 33 FCEV SALES, BY REGION 2017–2030 (THOUSAND UNITS)

TABLE 34 PHEV SALES, BY REGION 2017–2030 (THOUSAND UNITS)

TABLE 35 ELECTRIC VEHICLE INSULATION MARKET SIZE, BY APPLICATION, 2017–2024 (USD MILLION)

TABLE 36 ELECTRIC VEHICLE INSULATION MARKET SIZE IN UNDER THE BONNET AND BATTERY PACK APPLICATION, BY PROPULSION TYPE, 2017–2024 (USD MILLION)

TABLE 37 BATTERY SUPPLY CHAIN OF MAJOR ELECTRIC VEHICLE MODELS

TABLE 38 ELECTRIC VEHICLE INSULATION MARKET SIZE IN INTERIOR

APPLICATION, BY PROPULSION TYPE, 2017–2024 (USD MILLION)

TABLE 39 ELECTRIC VEHICLE INSULATION MARKET SIZE IN OTHER APPLICATIONS, BY PROPULSION TYPE, 2017–2024 (USD MILLION)

TABLE 40 ELECTRIC VEHICLE INSULATION MARKET SIZE, BY INSULATION TYPE, 2017–2024 (USD MILLION)

TABLE 41 ELECTRIC VEHICLE INSULATION MARKET SIZE, BY PROPULSION TYPE, 2017–2024 (USD MILLION)

TABLE 42 ACOUSTIC INSULATION MARKET SIZE, BY PROPULSION TYPE, 2017–2024 (USD MILLION)

TABLE 43 ELECTRICAL INSULATION MARKET SIZE, BY PROPULSION TYPE, 2017–2024 (USD MILLION)

TABLE 44 ELECTRIC VEHICLE INSULATION MARKET SIZE, BY REGION, 2017–2024 (USD MILLION)

TABLE 45 ELECTRIC VEHICLE SALES, BY REGION, 2017–2030 (THOUSAND UNITS)

TABLE 46 APAC: ELECTRIC VEHICLE INSULATION MARKET SIZE, BY COUNTRY, 2017–2024 (USD MILLION)

TABLE 47 APAC: ELECTRIC VEHICLE INSULATION MARKET SIZE, BY APPLICATION, 2017–2024 (USD MILLION)

TABLE 48 APAC: SALES OF PASSENGER ELECTRIC CAR, BY COUNTRY, 2017–2030 (UNITS)

TABLE 49 CHINA: ELECTRIC VEHICLE INSULATION MARKET SIZE, BY APPLICATION, 2017–2024 (USD MILLION)

TABLE 50 CHINA: SALES OF PASSENGER ELECTRIC CAR, BY PROPULSION TYPE, 2017–2030 (UNITS)

TABLE 51 JAPAN: ELECTRIC VEHICLE INSULATION MARKET SIZE, BY APPLICATION, 2017–2024 (USD MILLION)

TABLE 52 JAPAN: SALES OF PASSENGER ELECTRIC CAR, BY PROPULSION TYPE, 2017–2030 (UNITS)

TABLE 53 SOUTH KOREA: ELECTRIC VEHICLE INSULATION MARKET SIZE, BY APPLICATION, 2017–2024 (USD MILLION)

TABLE 54 SOUTH KOREA: SALES OF PASSENGER ELECTRIC CAR, BY PROPULSION TYPE, 2017–2030 (UNITS)

TABLE 55 INDIA: SALES OF PASSENGER ELECTRIC CAR, BY PROPULSION TYPE, 2017–2030 (UNITS)

TABLE 56 NORTH AMERICA: ELECTRIC VEHICLE INSULATION MARKET SIZE, BY COUNTRY, 2017–2024 (USD MILLION)

TABLE 57 NORTH AMERICA: ELECTRIC VEHICLE INSULATION MARKET SIZE, BY APPLICATION, 2017–2024 (USD MILLION)

TABLE 58 NORTH AMERICA: SALES OF PASSENGER ELECTRIC CAR, BY COUNTRY, 2017–2030 (UNITS)

TABLE 59 US: ELECTRIC VEHICLE INSULATION MARKET SIZE, BY APPLICATION, 2017–2024 (USD MILLION)

TABLE 60 US: SALES OF PASSENGER ELECTRIC CAR, BY PROPULSION TYPE, 2017–2030 (UNITS)

TABLE 61 CANADA: ELECTRIC VEHICLE INSULATION MARKET SIZE, BY APPLICATION, 2017–2024 (USD MILLION)

TABLE 62 CANADA: SALES OF PASSENGER ELECTRIC CAR, BY PROPULSION TYPE, 2017–2030 (UNITS)

TABLE 63 EUROPE: ELECTRIC VEHICLE INSULATION MARKET SIZE, BY COUNTRY, 2017–2024 (USD MILLION)

TABLE 64 EUROPE: ELECTRIC VEHICLE INSULATION MARKET SIZE, BY APPLICATION, 2017–2024 (USD MILLION)

TABLE 65 EUROPE: SALES OF PASSENGER ELECTRIC CAR, BY COUNTRY, 2017–2030 (UNITS)

TABLE 66 GERMANY: ELECTRIC VEHICLE INSULATION MARKET SIZE, BY APPLICATION, 2017–2024 (USD MILLION)

TABLE 67 GERMANY: SALES OF PASSENGER ELECTRIC CAR, BY PROPULSION TYPE, 2017–2030 (UNITS)

TABLE 68 FRANCE: ELECTRIC VEHICLE INSULATION MARKET SIZE, BY APPLICATION, 2017–2024 (USD MILLION)

TABLE 69 FRANCE: SALES OF PASSENGER ELECTRIC CAR, BY PROPULSION TYPE, 2017–2030 (UNITS)

TABLE 70 UK: ELECTRIC VEHICLE INSULATION MARKET SIZE, BY APPLICATION, 2017–2024 (USD MILLION)

TABLE 71 UK: SALES OF PASSENGER ELECTRIC CAR, BY PROPULSION TYPE, 2017–2030 (UNITS)

TABLE 72 NETHERLANDS: SALES OF PASSENGER ELECTRIC CAR, BY PROPULSION TYPE, 2017–2030 (UNITS)

TABLE 73 NORWAY: SALES OF PASSENGER ELECTRIC CAR, BY PROPULSION TYPE, 2017–2030 (UNITS)

TABLE 74 SWEDEN: SALES OF PASSENGER ELECTRIC CAR, BY PROPULSION TYPE, 2017–2030 (UNITS)

TABLE 75 DENMARK: SALES OF PASSENGER ELECTRIC CAR, BY PROPULSION TYPE, 2017–2030 (UNITS)

TABLE 76 AUSTRIA: SALES OF PASSENGER ELECTRIC CAR, BY PROPULSION TYPE, 2017–2030 (UNITS)

TABLE 77 SWITZERLAND: SALES OF PASSENGER ELECTRIC CAR, BY

PROPULSION TYPE, 2017–2030 (UNITS)

TABLE 78 SPAIN: SALES OF PASSENGER ELECTRIC CAR, BY PROPULSION TYPE, 2017–2030 (UNITS)

LIST OF FIGURES

FIGURE 1 STUDY SCOPE

FIGURE 2 YEARS CONSIDERED FOR THE STUDY

FIGURE 3 KEY DATA FROM PRIMARY SOURCES

FIGURE 4 BREAKDOWN OF PRIMARIES

FIGURE 5 INSULATION MATERIALS DEMAND IN THE AUTOMOTIVE: PREMIUM CARS AND EVS

FIGURE 6 MARKET SIZE ESTIMATION: TOP-DOWN APPROACH

FIGURE 7 MARKET SIZE ESTIMATION: BOTTOM-UP APPROACH

FIGURE 8 MARKET BREAKDOWN AND DATA TRIANGULATION

FIGURE 9 RESEARCH APPROACH

FIGURE 10 POTENTIAL SOURCES OF INFORMATION

FIGURE 11 RESEARCH METHODOLOGY: PARAMETERS & ASSUMPTIONS

FIGURE 12 FOAM SEGMENT TO DOMINATE LOW-FREQUENCY SOUND-ABSORBING INSULATION MATERIALS MARKET FROM 2020 TO 2025

FIGURE 13 INTERIOR SEGMENT TO DOMINATE LOW-FREQUENCY SOUND-ABSORBING INSULATION MATERIALS MARKET FROM 2020 TO 2025

FIGURE 14 EUROPE TO COMMAND LARGEST SHARE OF LOW-FREQUENCY SOUND-ABSORBING INSULATION MATERIALS MARKET FROM 2020 TO 2025

FIGURE 15 LOW-FREQUENCY SOUND-ABSORBING INSULATION MATERIALS MARKET TO WITNESS THE HIGHEST GROWTH RATE DURING THE FORECAST PERIOD

FIGURE 16 LOW-FREQUENCY SOUND-ABSORBING INSULATION MATERIALS MARKET, BY APPLICATION, 2020–2025

FIGURE 17 LOW-FREQUENCY SOUND-ABSORBING INSULATION MATERIALS MARKET, BY APPLICATION AND MATERIAL, 2020

FIGURE 18 PORTER'S FIVE FORCES ANALYSIS

FIGURE 19 GDP GROWTH FORECAST BEFORE AND POST COVID-19 OUTBREAK

FIGURE 20 COVID-19 IMPACT ON ELECTRIC PASSENGER CAR MARKET, REALISTIC MARKET SCENARIO, 2019 – 2021 (MILLION UNITS)

FIGURE 21 COVID-19 IMPACT ON ELECTRIC PASSENGER CAR MARKET, REALISTIC SCENARIO, BY REGION, 2019 – 2021 (MILLION UNITS)

FIGURE 22 LOW FREQUENCY SOUND ABSORBING MATERIALS MARKET SIZE, 2019-2025 (USD MILLION)

FIGURE 23 FOAM SEGMENT TO LEAD THE OVERALL LOW-FREQUENCY SOUND-ABSORBING INSULATION MATERIALS MARKET

FIGURE 24 INTERIOR SEGMENT TO LEAD THE OVERALL LOW-FREQUENCY SOUND-ABSORBING INSULATION MATERIALS MARKET

FIGURE 25 EUROPE REGION LEAD THE OVERALL LOW-FREQUENCY SOUND-ABSORBING INSULATION MATERIALS MARKET (2020-2025)

FIGURE 26 LOW-FREQUENCY SOUND-ABSORBING INSULATION MATERIALS MARKET (GLOBAL) COMPETITIVE LEADERSHIP MAPPING, 2019

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