

Automotive Brake Pad Market By Material (Semi Metallic, Non Asbestos Organic, Low Metallic NAO, Ceramic), By Position (Front, Front and Rear), By Vehicle Type (Two Wheelers, Passenger Cars, Light Commercial Vehicles, Heavy Commercial Vehicles), By Sales Channel (OEM, Aftermarket): Global Opportunity Analysis and Industry Forecast, 2021-2031

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Report description:

A brake pad is a thin block that pushes against the disc of a disc brake to slow down or stop the vehicle. Brake pads are an important part of vehicle's braking system. Brake pads sit between the brake disc and the caliper to reduce metal-to-metal friction. Overall technological advancements have improved vehicle functionality and safety through the use of higher quality brake pads.

The implementation of stringent government regulations on temperature limits and the increasing use of brake pads with various properties such as low noise properties and stable coefficient of friction further impact the brake pad market. In addition, high production & sales of vehicles, integration of advanced technologies, and increasing demand for environmentally friendly vehicles are expected to drive the growth of the automotive brake pad market.

Ceramic brake pads are made from ceramic. Ceramic brake pads are embedded with fine copper fibers to increase friction and thermal conductivity. Ceramic brake pads are quiet and produce less noise when braking. Compared to organic brake pads, ceramic brake pads tend to generate less dust and other particles as they wear over time. Ceramic brake pads are highly preferred as they are more reliable over a wider range of temperatures and operating conditions as compared to organic brake pads. Owing to its low cost, lower weight, high performance, and environmental compatibility with other materials such as steel, there is increase in demand for ceramic brake pads. Furthermore, Environmental Protection Agency demanded reduction of copper material in brake pads, mandating a reduction of copper content to 0.5 percent by weight, by 2025 which accelerates the production of copper free ceramic brake pads. Moreover, manufacturers develop premium friction pads to increase service life of

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brake pads and offer stable driving performance. For instance, in May 2019, CERRITOS, Calif.-Brake supplier Dynamic Friction Company headquartered in Southern California launched DFC 5000 Euro Ceramic Brake Pads, the addition to its line of premium friction products. In addition, advanced materials, including ceramics, increase pad efficiency over a wide temperature range. In addition, its low noise properties and stable coefficient of friction improve vehicle performance. Superior braking efficiency, coupled with the increasing adoption of disc brakes in automobiles, supports the expansion of the industry. The braking system efficiently regulates vehicle speed and generates less heat than drum brakes. Low heat generation capacity of the ceramic brake pads market extends system life and promotes penetration of the product which is expected to drive the growth of the market. The automotive brake pad market is segmented on the basis of material, position, vehicle type, sales channel, and region. Based on material, it is segmented into semi metallic, non-asbestos organic, low metallic NAO, and ceramic. On the basis of position, it is classified into front, and front & rear. By vehicle type, the market has been categorized into two wheelers, passenger cars, light commercial vehicles, and heavy commercial vehicles. By sales channel, the automotive brake pad market has been divided into OEM (original equipment manufacturer) and aftermarket. By region, the market is analyzed across North America, Europe, Asia-Pacific, and LAMEA.

Some major companies operating in the market include Akebono Brake Industry Co Ltd., ADVICs, Brake Parts Inc., Brembo S.p.A., Continental AG, Delphi Technologies Inc. (BorgWarner Inc.), EBC Brake, ITT Inc., Nisshinbo Brake Inc., Robert Bosch GmbH, Tenneco Inc., and ZF Friedrichshafen AG

Key Benefits For Stakeholders

- This report provides a quantitative analysis of the market segments, current trends, estimations, and dynamics of the automotive brake pad market analysis from 2021 to 2031 to identify the prevailing automotive brake pad market opportunities.
- The market research is offered along with information related to key drivers, restraints, and opportunities.
- Porter's five forces analysis highlights the potency of buyers and suppliers to enable stakeholders make profit-oriented business decisions and strengthen their supplier-buyer network.
- In-depth analysis of the automotive brake pad market segmentation assists to determine the prevailing market opportunities.
- Major countries in each region are mapped according to their revenue contribution to the global market.
- Market player positioning facilitates benchmarking and provides a clear understanding of the present position of the market players.
- The report includes the analysis of the regional as well as global automotive brake pad market trends, key players, market segments, application areas, and market growth strategies.

Key Market Segments

By Sales Channel

- OEM
- Aftermarket

By Material

- Low Metallic NAO
- Ceramic
- Semi Metallic
- Non Asbestos Organic

By Position

- Front
- Front and Rear

By Vehicle Type

- Two Wheelers
- Passenger Cars
- Light Commercial Vehicles
- Heavy Commercial Vehicles

By Region

- North America

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- U.S.
- Canada
- Mexico
- Europe
- Germany
- France
- UK
- Italy
- Rest of Europe
- Asia-Pacific
- China
- Japan
- India
- South Korea
- Rest of Asia-Pacific
- LAMEA
- Latin America
- Middle East
- Africa
- Key Market Players
- Continental AG
- Robert Bosch GmbH
- ZF Friedrichshafen AG
- Akebono Brake Industry Co Ltd
- ADVICS Co., Ltd.
- Brake Parts Inc.
- Brembo S.p.A
- Delphi Technologies (BorgWarner Inc.)
- EBC Brakes
- ITT Inc.
- Nisshinbo Brake Inc.
- Tenneco Inc.

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