

Global Copper Free Brake Pads and Friction Materials Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

<https://marketpublishers.com/r/GDA63CB6BCE2EN.html>

Date: June 2026

Pages: 130

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

ID: GDA63CB6BCE2EN

Abstracts

According to our (Global Info Research) latest study, the global Copper Free Brake Pads and Friction Materials market size was valued at US\$ 3689 million in 2025 and is forecast to a readjusted size of US\$ 6479 million by 2032 with a CAGR of 8.3% during review period.

Copper Free Brake Pad Materials refer to composite friction compounds specifically engineered for disc braking systems for passenger cars, commercial vehicles, and two-wheelers. In 2025, global copper free brake pads and friction materials production reached approximately 55,155 K set, with an average global market price of around USD 65 per K set. A factory gross profit of USD 18,200 per K set with 28% gross margin. A single line full machine capacity production is around 600 K set per line per year. The upstream is dependent on specialty raw materials including ceramic fibers, aramid fibers, phenolic resins, graphite, steel fibers, zirconium silicate, mineral fillers, and engineered abrasives. The downstream demand is concentrated in passenger vehicles, electric vehicles (EVs), light commercial vehicles, and heavy-duty transportation fleets. A battery electric SUV operating in urban stop-and-go traffic uses copper-free ceramic brake pads designed for quiet operation, corrosive resistance and reduce brake dust. China and Germany leads the market due to EV production dominance.

This report is a detailed and comprehensive analysis for global Copper Free Brake Pads and Friction Materials 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 2025, are provided.

Key Features:

Global Copper Free Brake Pads and Friction Materials market size and forecasts, in consumption value (\$ Million), sales quantity (K Sets), and average selling prices (US\$/Set), 2021-2032

Global Copper Free Brake Pads and Friction Materials market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (K Sets), and average selling prices (US\$/Set), 2021-2032

Global Copper Free Brake Pads and Friction Materials market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (K Sets), and average selling prices (US\$/Set), 2021-2032

Global Copper Free Brake Pads and Friction Materials market shares of main players, shipments in revenue (\$ Million), sales quantity (K Sets), and ASP (US\$/Set), 2021-2026

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 Copper Free Brake Pads and Friction Materials
- 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 Copper Free Brake Pads and Friction Materials market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include BOSCH (Germany), ZF Aftermarket (TRW) (Germany), TMD Friction (AEQUITA) (Luxembourg),

Brembo S.p.A. (Italy), Akebono Brake Industry (Japan), Nisshinbo Holdings (Japan), Tenneco (US), ITT Corporation (US), Sangsin Brake (South Korea), Winhere (Shandong Gold Phoenix) (China), etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Market Segmentation

Copper Free Brake Pads and Friction Materials market is split by Type and by Application. For the period 2021-2032, 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 markets.

Market segment by Type

NAO (Non Asbestos Organic)

Low Metallic

Ceramic

Semi Metallic

Others

Market segment by Thermal Fade Resistance

Standard (350°C - 450°C)

High-Performance (450°C - 650°C)

Market segment by Binding Resin Type

Phenolic Resin

Modified High Temp Resin

Market segment by Application

Passenger Cars

Commercial Vehicles

Two Wheelers

Off Highway

Others

Major players covered

BOSCH (Germany)

ZF Aftermarket (TRW) (Germany)

TMD Friction (AEQUITA) (Luxembourg)

Brembo S.p.A. (Italy)

Akebono Brake Industry (Japan)

Nisshinbo Holdings (Japan)

Tenneco (US)

ITT Corporation (US)

Sangsin Brake (South Korea)

Winhere (Shandong Gold Phoenix) (China)

ADVICS (Japan)

Bendix (MAT Holdings) (US)

MAT Friction Group (US)

Knorr-Bremse AG (Germany)

Fras-le S.A. (Brazil)

ICER Brakes (Spain)

Delphi Technologies (UK)

EBC Brakes (UK)

Shandong Double Link (China)

Centric Parts (AP Emissions) (US)

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 Copper Free Brake Pads and Friction Materials product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Copper Free Brake Pads and Friction Materials, with price, sales quantity, revenue, and global market share of Copper Free Brake Pads and Friction Materials from 2021 to 2026.

Chapter 3, the Copper Free Brake Pads and Friction Materials competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Copper Free Brake Pads and Friction Materials breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2021 to 2032.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2021 to 2032.

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 2021 to 2026. and Copper Free Brake Pads and Friction Materials market forecast, by regions, by Type, and by Application, with sales and revenue, from 2027 to 2032.

Chapter 12, market dynamics, drivers, restraints, trends, and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Copper Free Brake Pads and Friction Materials.

Chapter 14 and 15, to describe Copper Free Brake Pads and Friction Materials sales channel, distributors, customers, research findings and conclusion.

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