

Global Railway Friction Material Competitive Landscape Professional Research Report 2025

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Abstracts

Market Overview

According to DIResearch's in-depth investigation and research, the global Railway Friction Material market size will reach 2,619.03 Million USD in 2025 and is projected to reach 3,469.73 Million USD by 2032, with a CAGR of 4.10% (2025-2032). Notably, the China Railway Friction Material market has changed rapidly in the past few years. By 2025, China's market size is expected to be Million USD, representing approximately % of the global market share.

Research Summary

Railway friction material refers to specialized materials used in the construction of brake pads or shoes for trains and other rail vehicles. These materials are chosen for their ability to provide effective friction and heat resistance, crucial for the reliable functioning of braking systems in the demanding conditions of railway operations. Commonly, these materials are composite formulations that include friction-enhancing elements like metal fibers, resins, and fillers. The friction material is strategically applied to the brake components that come into contact with the train wheels or discs during braking, generating the necessary friction to slow down or stop the train. The selection of high-quality and durable friction materials is essential for ensuring the safety, performance, and longevity of railway braking systems, given the significant loads and speeds involved in rail transportation.

The major global manufacturers of Railway Friction Material include Knorr-Bremse, Wabtec Corporation, Bremskerl, Akebono, FLERTEX, Tribo, Escorts Railway Division, EBC Brakes Group, TOKAI Carbon, Rane Group, Miba, MASU, Beijing Tianyishangjia

New Material Corp, Beijing Puran Railway Braking High-Tech, CRRC, etc. The global players competition landscape in this report is divided into three tiers. The first tier comprises global leading enterprises that command a substantial market share, hold a dominant industry position, possess strong competitiveness and influence, and generate significant revenue. The second tier includes companies with a notable market presence and reputation; these firms actively follow industry leaders in product, service, or technological innovation and maintain a moderate revenue scale. The third tier consists of smaller companies with limited market share and lower brand recognition, primarily focused on local markets and generating comparatively lower revenue.

This report studies the market size, price trends and future development prospects of Railway Friction Material. Focus on analysing the market share, product portfolio, prices, sales, revenue and gross profit margin of global major manufacturers, as well as the market status and trends of different product types and applications in the global Railway Friction Material market. The report data covers historical data from 2020 to 2024, based year in 2025 and forecast data from 2026 to 2032.

The regions and countries in the report include North America, Europe, China, APAC (excl. China), Latin America and Middle East and Africa, covering the Railway Friction Material market conditions and future development trends of key regions and countries, combined with industry-related policies and the latest technological developments, analyze the development characteristics of Railway Friction Material industries in various regions and countries, help companies understand the development characteristics of each region, help companies formulate business strategies, and achieve the ultimate goal of the company's global development strategy.

The data sources of this report mainly include the National Bureau of Statistics, customs databases, industry associations, corporate financial reports, third-party databases, etc. Among them, macroeconomic data mainly comes from the National Bureau of Statistics, International Economic Research Organization; industry statistical data mainly come from industry associations; company data mainly comes from interviews, public information collection, third-party reliable databases, and price data mainly comes from various markets monitoring database.

Global Key Manufacturers of Railway Friction Material Include:

Knorr-Bremse

Wabtec Corporation

Bremser

Akebono

FLERTEX

Tribo

Escorts Railway Division

EBC Brakes Group

TOKAI Carbon

Rane Group

Miba

MASU

Beijing Tianyishangjia New Material Corp

Beijing Puran Railway Braking High-Tech

CRRC

Railway Friction Material Product Segment Include:

Brake Blocks

Brake Pads

Brake Shoes

Others

Railway Friction Material Product Application Include:

Passenger Trains

Freight Trains

Light Rail Vehicles (LRVs)

High-Speed Trains

Others

Chapter Scope

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