

Global Eutectic Al-Si Alloy Competitive Landscape Professional Research Report 2025

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Abstracts

Market Overview

According to DIResearch's in-depth investigation and research, the global Eutectic Al-Si Alloy market size will reach 568.79 Million USD in 2025 and is projected to reach 812.16 Million USD by 2032, with a CAGR of 5.22% (2025-2032). Notably, the China Eutectic Al-Si Alloy 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

Eutectic Al-Si alloy refers to an aluminum-silicon alloy with a silicon content typically around 11.7-12.6%, where the alloy composition aligns with the eutectic point of the aluminum-silicon phase diagram. At this composition, the alloy solidifies into a microstructure consisting of a fine, interwoven mixture of aluminum and silicon phases. Eutectic Al-Si alloys are widely used in applications requiring high wear resistance, good thermal conductivity, and excellent casting properties, such as automotive engine components, pistons, and aerospace parts. Their unique combination of strength, corrosion resistance, and lightweight characteristics makes them an essential material in industries focused on efficiency and performance.

The major global manufacturers of Eutectic Al-Si Alloy include RUSAL, Resonac, Norsk Hydro, 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 Eutectic Al-Si Alloy. 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 Eutectic Al-Si Alloy 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 Eutectic Al-Si Alloy 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 Eutectic Al-Si Alloy 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 Eutectic Al-Si Alloy Include:

RUSAL

Resonac

Norsk Hydro

Eutectic Al-Si Alloy Product Segment Include:

Silicon content?12%

Silicon content ?12%

Eutectic Al-Si Alloy Product Application Include:

Aerospace

Automotive

Others

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