

Global Macroporous Nickel Foam Supply, Demand and Key Producers, 2026-2032

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Abstracts

The global Macroporous Nickel Foam market size is expected to reach \$ 356 million by 2032, rising at a market growth of 6.6% CAGR during the forecast period (2026-2032).

In 2025, global Macroporous Nickel Foam production reached approximately 2,588.24 tons, with an average global market price of around US\$85 per kg.

The gross profit margin of major companies in the industry is between 25%-42%.

In 2025, the global production capacity of Macroporous Nickel Foam was approximately 3,450.99 tons.

Macroporous Nickel Foam is a porous metallic material with interconnected large pores, high surface area, good electrical conductivity, corrosion resistance, and mechanical stability. It is mainly used as electrode substrate, catalyst carrier, filtration material, heat dissipation structure, battery current collector, hydrogen production electrode, and functional support material in energy and industrial applications.

The industrial chain of Macroporous Nickel Foam covers upstream nickel materials, conductive substrates, foaming templates, plating chemicals, binders, heat treatment equipment, and cutting tools. The midstream consists of substrate preparation, electroplating, pore formation, sintering, cleaning, rolling, cutting, and performance testing. Downstream applications mainly include batteries, hydrogen energy, catalysts, filtration, electronics, thermal management, and advanced material research.

New-energy battery manufacturing, electrochemical reaction and catalyst carrier fields boost the demand for macroporous nickel foam. Its three-dimensional porous structure

provides large specific surface area for efficient energy transmission and reaction. High purity production technology optimizes conductivity and structural stability for industrial applications.

This report studies the global Macroporous Nickel Foam production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Macroporous Nickel Foam and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of Macroporous Nickel Foam that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Macroporous Nickel Foam total production and demand, 2021-2032, (Tons)

Global Macroporous Nickel Foam total production value, 2021-2032, (USD Million)

Global Macroporous Nickel Foam production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (Tons), (based on production site)

Global Macroporous Nickel Foam consumption by region & country, CAGR, 2021-2032 & (Tons)

U.S. VS China: Macroporous Nickel Foam domestic production, consumption, key domestic manufacturers and share

Global Macroporous Nickel Foam production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (Tons)

Global Macroporous Nickel Foam production by Type, production, value, CAGR, 2021-2032, (USD Million) & (Tons)

Global Macroporous Nickel Foam production by Application, production, value, CAGR, 2021-2032, (USD Million) & (Tons)

This report profiles key players in the global Macroporous Nickel Foam market based on the following parameters - company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Sumitomo Electric Industries, Alantum, Recemat, ERG Aerospace, Goodfellow, American Elements, MTI Corporation, PrometheanFoam, Changde Lyrin Material, Wuzhou Sanhe New Material, etc.

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

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Macroporous Nickel Foam market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (Tons) and average price (US\$/Ton) by manufacturer, by Type, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

Global Macroporous Nickel Foam Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Macroporous Nickel Foam Market, Segmentation by Type:

Open-Cell Nickel Foam

Reticulated Nickel Foam

Gradient-Pore Nickel Foam

Global Macroporous Nickel Foam Market, Segmentation by Surface Treatment:

Untreated Nickel Foam

Oxidized Nickel Foam

Coated Nickel Foam

Global Macroporous Nickel Foam Market, Segmentation by Pore Size:

Small Pore (<1mm)

Medium Pore (1-3mm)

Large Pore (>3mm)

Global Macroporous Nickel Foam Market, Segmentation by Application:

Battery Electrode Substrates

Catalyst Supports

Filtration and Separation

Other

Companies Profiled:

Sumitomo Electric Industries

Alantum

Recemat

ERG Aerospace

Goodfellow

American Elements

MTI Corporation

PrometheanFoam

Changde Lyrun Material

Wuzhou Sanhe New Material

Heze Tianyu Technology

Kunshan Jiayisheng Electronics

Yi Yang Foammatal New Material

Xiamen Tmax Battery Equipments

Key Questions Answered:

1. How big is the global Macroporous Nickel Foam market?
2. What is the demand of the global Macroporous Nickel Foam market?
3. What is the year over year growth of the global Macroporous Nickel Foam market?
4. What is the production and production value of the global Macroporous Nickel Foam market?
5. Who are the key producers in the global Macroporous Nickel Foam market?
6. What are the growth factors driving the market demand?

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