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Global Supercritical Midsole Foams Supply, Demand and Key Producers, 2026-2032

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Abstracts

The global Supercritical Midsole Foams market size is expected to reach $ 293 million by 2032, rising at a market growth of 12.6% CAGR during the forecast period (2026-2032).

In 2025, global production of Supercritical Midsole Foams reached 26,191 tons, with an average selling price of US$4,776 per ton. Running shoes are composed of three parts: the upper, midsole, and outsole. The midsole provides stability, cushioning, and resilience, absorbing impact during exercise while offering protection and a relatively gentle feel. The midsole is the heart and soul of running shoes and a key differentiator among major manufacturers. Supercritical foaming running shoe technology is an advanced shoemaking process that utilizes supercritical fluid technology to create a midsole. Supercritical fluids are gases or liquids near their critical point under high pressure and high temperature conditions, possessing properties that differ from both gases and liquids. Supercritical fluids have a high diffusion rate, low surface tension, and low viscosity, allowing them to quickly penetrate and fill materials, forming tiny bubbles. These tiny bubbles, through their intricate structure, provide excellent cushioning and comfort. Supercritical Midsole Foams are lightweight foam materials manufactured using supercritical fluid technology and are widely used in the midsoles of footwear. Its core feature is the use of supercritical fluids (such as carbon dioxide) to generate a foaming reaction under high temperature and high pressure, resulting in a material with high elasticity, shock absorption, and durability. The main advantages of Supercritical Midsole Foams lie in their structural uniformity and high degree of customization, enabling them to achieve excellent comfort and durability in footwear midsoles. The market for Supercritical Midsole Foams is currently developing, driven primarily by environmental and sustainability trends. With the growing global focus on reducing carbon footprints and resource waste, the use of supercritical foaming

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technology can significantly reduce the use of chemicals and energy in the production process, thus holding broad market prospects in the green and environmental arena. Furthermore, with increasing consumer demand for comfort, durability, and lightweight performance, Supercritical Midsole Foams has become an emerging technology in the footwear industry, finding widespread application in athletic shoes and high-end fashion footwear. However, despite its promising market prospects, the application of Supercritical Midsole Foams in footwear still faces challenges, such as high production costs, complex technical requirements, and the gradual increase in market acceptance.

As consumers' demands for environmental protection, comfort, and sustainability continue to rise, the application prospects of supercritical foam materials in footwear are promising. First, supercritical foaming technology can significantly reduce energy consumption and the use of hazardous chemicals, making it a key technology in the transformation of the footwear industry. Second, with the booming athletic and casual shoe markets, the demand for high-performance midsole materials continues to grow. The unique properties of supercritical foam materials, particularly in terms of shock absorption, compression resistance, and lightweighting, make them an ideal choice to meet the needs of modern consumers.

This report studies the global Supercritical Midsole Foams production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Supercritical Midsole Foams 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 Supercritical Midsole Foams that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Supercritical Midsole Foams total production and demand, 2021-2032, (Kilotons)

Global Supercritical Midsole Foams total production value, 2021-2032, (USD Million)

Global Supercritical Midsole Foams production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (Kilotons), (based on production site)

Global Supercritical Midsole Foams consumption by region & country, CAGR,

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2021-2032 & (Kilotons)

U.S. VS China: Supercritical Midsole Foams domestic production, consumption, key domestic manufacturers and share

Global Supercritical Midsole Foams production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (Kilotons)

Global Supercritical Midsole Foams production by Type, production, value, CAGR, 2021-2032, (USD Million) & (Kilotons)

Global Supercritical Midsole Foams production by Application, production, value, CAGR, 2021-2032, (USD Million) & (Kilotons)

This report profiles key players in the global Supercritical Midsole Foams 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 Zotefoams, BASF, Foamwell, Dahsheng Chemical, Hairuisi New Materials, Xinrui New Materials Technology, Jiangsu Damaoniu New Material, Guosheng Shoe Materials, Shincell 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 Supercritical Midsole Foams market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US$ Millions), volume (production, consumption) & (Kilotons) 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 Supercritical Midsole Foams Market, By Region:

United States

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China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Supercritical Midsole Foams Market, Segmentation by Type:

Ethylene-vinyl Acetate Copolymer (EVA)

Thermoplastic Polyurethane (TPU)

Thermoplastic Polyester Elastomer (TPEE)

Block Polyetheramide Elastomer (Pebax)

Global Supercritical Midsole Foams Market, Segmentation by Density Grade:

Ultra?Low (

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