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Global Supercritical Midsole Foams Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

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Abstracts

According to our (Global Info Research) latest study, the global Supercritical Midsole Foams market size was valued at US$ 129 million in 2025 and is forecast to a readjusted size of US$ 293 million by 2032 with a CAGR of 12.6% during review period.

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

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reducing carbon footprints and resource waste, the use of supercritical foaming 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 is a detailed and comprehensive analysis for global Supercritical Midsole Foams 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 Supercritical Midsole Foams market size and forecasts, in consumption value ($ Million), sales quantity (Kilotons), and average selling prices (US$/Ton), 2021-2032

Global Supercritical Midsole Foams market size and forecasts by region and country, in consumption value ($ Million), sales quantity (Kilotons), and average selling prices (US$/Ton), 2021-2032

Global Supercritical Midsole Foams market size and forecasts, by Type and by Application, in consumption value ($ Million), sales quantity (Kilotons), and average

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selling prices (US$/Ton), 2021-2032

Global Supercritical Midsole Foams market shares of main players, shipments in revenue ($ Million), sales quantity (Kilotons), and ASP (US$/Ton), 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 Supercritical Midsole Foams
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 Supercritical Midsole Foams 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 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.

Market Segmentation

Supercritical Midsole Foams 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

Ethylene-vinyl Acetate Copolymer (EVA)

Thermoplastic Polyurethane (TPU)

Thermoplastic Polyester Elastomer (TPEE)

Block Polyetheramide Elastomer (Pebax)

Market segment by Density Grade

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Ultra?Low (

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