

Global Refrigeration Insulation Materials Market Size Study & Forecast, by Material Type, Application, End-Use, and Regional Forecasts 2025-2035

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Abstracts

The Global Refrigeration Insulation Materials Market is valued at approximately USD 3.73 billion in 2024 and is poised to exhibit a promising compound annual growth rate (CAGR) of over 5.00% throughout the forecast period from 2025 to 2035. Refrigeration insulation materials are at the heart of efficient temperature control systems, ensuring the sustainability and performance of commercial and industrial refrigeration units. These materials play a pivotal role in minimizing thermal losses, enhancing energy efficiency, and maintaining consistent cooling temperatures in critical environments. The surge in demand for cold chain infrastructure in food preservation, pharmaceutical logistics, and industrial processing is propelling the growth of this market. Increasing global awareness regarding energy conservation and stringent government regulations encouraging the use of eco-friendly insulation materials are further driving this transition.

Rising emphasis on environmental safety and energy efficiency has prompted industries to pivot towards advanced insulation solutions such as polyurethane (PU), polyisocyanurate (PIR), elastomeric foams, and phenolic foams. Among these, PU and PIR are particularly favored due to their superior thermal performance and cost-effectiveness. With increasing investments in cold storage, cryogenic applications, and refrigerated transport, insulation materials are rapidly becoming indispensable. According to recent industry insights, the global cold chain logistics sector is growing exponentially, particularly across developing economies, which in turn has amplified the need for high-performance insulation. Furthermore, the increasing consumption of perishable goods and temperature-sensitive pharmaceuticals, coupled with ongoing technological advancements in insulation manufacturing, is expected to unlock new avenues of growth over the next decade.

Regionally, North America currently commands a significant share of the refrigeration insulation materials market, bolstered by the presence of a robust food processing industry and well-established pharmaceutical cold chain infrastructure. The region's stringent energy-efficiency standards have further accelerated the adoption of high-grade insulation materials. Meanwhile, Asia Pacific is emerging as the fastest-growing region, with countries like China, India, and Japan witnessing soaring demand for refrigerated warehousing and transport, driven by rising urbanization, expanding food retail chains, and growing healthcare needs. In Europe, sustainability-centric policies and a strong emphasis on low-GWP (Global Warming Potential) materials are reshaping the market landscape. Additionally, Latin America and the Middle East & Africa are also projected to experience moderate growth due to infrastructural development and increasing foreign investment in cold chain systems.

Major market player included in this report are:

BASF SE

Halliburton Company

Schlumberger Limited

Chevron Phillips Chemical Company

Baker Hughes Company

Croda International Plc.

Aubin Group

Trican Well Service Ltd.

Impact Fluid Solutions

M&D Industries of Louisiana, Inc.

Johns Manville

Armacell International S.A.

Covestro AG

Knauf Insulation

Rockwool International A/S

Global Refrigeration Insulation Materials Market Report Scope:

Historical Data – 2023, 2024

Base Year for Estimation – 2024

Forecast period - 2025-2035

Report Coverage - Revenue forecast, Company Ranking, Competitive Landscape, Growth factors, and Trends

Regional Scope - North America; Europe; Asia Pacific; Latin America; Middle East & Africa

Customization Scope - Free report customization (equivalent up to 8 analysts' working hours) with purchase. Addition or alteration to country, regional & segment scope*

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values for the coming years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within the countries involved in the study. The report also provides detailed information about crucial aspects, such as driving factors and challenges, which will define the future growth of the market. Additionally, it incorporates potential opportunities in micro-markets for stakeholders to invest, along with a detailed analysis of the competitive landscape and product offerings of key players. The detailed segments and sub-segments of the market are explained below:

By Material Type:

PU & PIR

Elastomeric Foam

Polystyrene Foam

Fiberglass

Phenolic Foam

Others

By Application:

Commercial

Industrial

Cryogenic

Refrigerated Transport

By End-Use:

Food & Beverage

Chemicals & Petrochemicals

Pharmaceutical

Healthcare

Others

By Region:

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

ROE

Asia Pacific

China

India

Japan

Australia

South Korea

RoAPAC

Latin America

Brazil

Mexico

Middle East & Africa

UAE

Saudi Arabia

South Africa

Rest of Middle East & Africa

Key Takeaways:

Market Estimates & Forecast for 10 years from 2025 to 2035.

Annualized revenues and regional level analysis for each market segment.

Detailed analysis of geographical landscape with Country level analysis of major regions.

Competitive landscape with information on major players in the market.

Analysis of key business strategies and recommendations on future market approach.

Analysis of competitive structure of the market.

Demand side and supply side analysis of the market.

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