

Geomembranes Market Report by Raw Material (High-Density Polyethylene (HDPE), Low-Density Polyethylene (LDPE), Polyvinyl Chloride (PVC), Polypropylene (PP), and Others), Manufacturing Process (Blown Film, Calendering, and Others), Application (Mining, Waste Management, Water Management, and Others), and Region 2024-2032

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Abstracts

The global geomembranes market size reached US\$ 3.7 Billion in 2023. Looking forward, IMARC Group expects the market to reach US\$ 6.6 Billion by 2032, exhibiting a growth rate (CAGR) of 6.5% during 2024-2032.

Geomembranes are large-sized impermeable liners that act as protective barriers against fluids, gases and other soluble materials during geotechnical engineering operations. They are majorly manufactured using polyvinyl chloride (PVC), high/low-density polyethylene (H/LDPE) or with the infusion of geotextiles with asphalt, multi-layered bitumen geo-composites and elastomers. They have high shear and tensile strength and are resistant to high temperatures, ultraviolet (UV) rays, punctures and abrasions, and are commonly used for wastewater storage and waterproofing in artificial ponds, lakes and pools. Owing to these benefits, geomembranes find extensive applications across various industries, including energy, oil and gas, agriculture, civil and construction.

The growing mining and construction industries, along with the growing requirement for waste management systems across the globe, are the key factors driving the growth of the market. Geomembrane liners are extensively used for preventing water from seeping into landfills, thus further preventing the process of biodegradation and

decomposition of the waste. Furthermore, significant infrastructural development across the globe, especially in emerging nations, is also providing a boost to the market growth. For instance, these membranes are utilized during the construction of roads, highways and bridges as they bind the soil together under asphalt layovers and increase the overall lifespan of the road. Additionally, the development of innovative product variants designed specifically to restrict the flow of naturally occurring gases and various volatile organic compounds is also favoring the market growth. Other factors, including the increasing product adoption by the mining industry, implementation of favorable government policies promoting environmental conservation and enhanced focus on research and development (R&D) activities, are projected to drive the market further.

Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global geomembranes market report, along with forecasts at the global, regional and country level from 2024-2032. Our report has categorized the market based on raw material, manufacturing process and application.

Breakup by Raw Material:

- High-Density Polyethylene (HDPE)
- Low-Density Polyethylene (LDPE)
- Polyvinyl Chloride (PVC)
- Polypropylene (PP)
- Others

Breakup by Manufacturing Process:

- Blown Film
- Calendering
- Others

Breakup by Application:

- Mining
- Waste Management
- Water Management
- Others

Breakup by Region:

North America

United States

Canada

Asia Pacific

China

Japan

India

South Korea

Australia

Indonesia

Others

Europe

Germany

France

United Kingdom

Italy

Spain

Russia

Others

Latin America

Brazil

Mexico

Others

Middle East and Africa

Competitive Landscape:

The competitive landscape of the industry has also been examined with some of the key players being Agru America, Anhui Huifeng New Synthetic Material Co., Atarfil SL, Carlisle Syntec Inc., Carthage Mills, CETCO, Colorado Lining International Inc., Firestone Building Products Company, Geofabrics, GSE Environmental Inc., Officine Maccaferri Spa, Naue GmbH, Nilex Inc., Plastika Kritis S.A., Solmax International, etc

Key Questions Answered in This Report:

How has the global geomembranes market performed so far and how will it perform in the coming years?

What are the key regional markets in the global geomembranes industry?

What has been the impact of COVID-19 on the global geomembranes industry?

What is the breakup of the market based on the raw material?

What is the breakup of the market based on the manufacturing process?

What is the breakup of the market based on the application?

What are the various stages in the value chain of the industry?

What are the key driving factors and challenges in the industry?

What is the structure of the global geomembranes market and who are the key players?

What is the degree of competition in the industry?

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