

Geosynthetics Market: Segmented by Type (Geotextiles, Geomembranes, Geogrids, Geofoam, Geonets and Others), By End user (Waste Management, Water Management, Transportation Infrastructure, Civil Construction and Others), and Region – Global Analysis of Market Size, Share & Trends for 2019–2020 and Forecasts to 2030

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Abstracts

[179+ Research Report] Global Geosynthetics Market to surpass USD 33.2 billion by 2030 from USD 13.5 billion in 2020 at a CAGR of 6.8% in the coming years, i.e., 2021-30.

Product Overview

Polymeric goods such as polyester, polyethylene, and polypropylene are used to make geosynthetics. Geotextiles, geogrids, geonets, and geomembranes are examples of geosynthetic products that are often made and utilized in landfills, drainage, filtration, erosion control, and other civil construction projects. Geosynthetics are frequently utilized to improve the mechanical and physical qualities of soil, allowing it to resist harsh climatic conditions. They are extremely cost-effective, durable, and adaptable. Mining, transportation, and agriculture are just a few of the important industries where geosynthetics are used extensively.

Market Highlights

Global Geosynthetics market is expected to project a notable CAGR of 6.8% in 2030.

The rising construction industry, population increase, fast urbanization, industrialization, and changing demographics in both developing and developed countries are all driving

the geosynthetics market forward. The presence of many rules and regulations pertaining to the use of geosynthetics to boost the safety of infrastructure and stabilize terrain is another significant factor driving market growth. In addition, rising infrastructure spending in countries like India and China is likely to provide growth prospects for market players throughout the forecast period.

Global Geosynthetics: Segments

Geotextiles segment to grow with the highest CAGR during 2020-30

Global Geosynthetics market is segmented by type into Geotextiles, Geomembranes, Geogrids, Geofoam, Geonets, and Others. Geotextile's segment held the largest market share in the year 2020. Geotextiles are employed in the construction of railway lines because they can help separate soil layers from the subsoil while allowing subsurface water to flow freely. Geomembranes are also expected to grow at a significant CAGR in terms of revenue from 2020 to 2030, owing to increased awareness of the product's application as floating coverings for reservoirs to control evaporation, reduce VOC emissions, and reduce the need for drainage and cleaning. Geogrids are also increasingly being employed in railway and road infrastructure projects for structural foundation strengthening over soft soils due to their excellent bearing capability. Geogrids are also utilized to support railway abutments and bridges in retaining walls. As a result, the aforementioned factors are likely to boost market expansion in the coming years.

Waste management segment to grow with the highest CAGR during 2020-30

Global Geosynthetics market is divided by end-user into Waste Management, Water Management, Transportation Infrastructure, Civil Construction, and Others. The largest segment of the market is waste management. In waste management, geosynthetics are utilized for filtration, separation, drainage, barrier, and reinforcement, among other functions. Residential, industrial, and commercial trash are all collected, transported, treated, recycled, and disposed of properly. Controlling the leaking of contaminated gas and liquid into groundwater, rivers, aquifers, and other freshwater sources requires geosynthetics. During the projected period, the demand for waste management activities is expected to rise due to population growth, urbanization, and industrialization.

Market Dynamics

Drivers

Increased industrialization and demand in building and construction industry

The worldwide geosynthetics market is being driven by the rise of the building and construction sector, which is complementing the demand for Geosynthetic materials to be employed in various applications. The rise of the building and construction business has been boosted by increased government expenditure to enhance infrastructure in many nations in order to elevate the standard of life, as well as increased industrialization. Increasing environmental safety standards to reduce sediment control and land erosion have also boosted demand for Geosynthetics. The expansion of the Geosynthetic market is due to these factors, as well as the other benefits.

Favorable government policies and increasing technological advancements

In the transportation industry, geosynthetics are commonly used to provide stability and strength to the underlying soil in railway tracks and roadways. Furthermore, due to their exceptional chemical resistance, geomembranes are increasingly being used in the wastewater treatment process, which is fueling market expansion. Furthermore, there has been a steady rise in demand from many businesses for the processing and safe disposal of hazardous industrial waste. Along with this, the market is expected to rise due to the implementation of favorable government policies and increased R&D activities, which help manufacturers to maintain manufacturing standards and reduce pollution.

Restraint

High cost of raw materials and crude oil availability

The price of raw materials and their availability are the two most important elements that influence the price of finished goods. The majority of raw materials used in geosynthetics are focused to crude oil price variations. The cost of raw materials used in the production of geosynthetics is directly influenced by the price of crude oil. Though, practically all governments have banned both domestic and international travel as a result of the present pandemic. This has led in a major decrease in demand for transportation fuel, which has impacted crude oil prices further.

Global Geosynthetics: Key Players

Polymer Group

Company Overview, Business Strategy, Key Product Offerings, Financial Performance,

Key Performance Indicators, Risk Analysis, Recent Development, Regional Presence, SWOT Analysis

DuPont

Associated British Foods

Novozymes

DSM

Dyadic International

Advanced Enzymes Technologies

Maps Enzymes

Epygen Labs

Megazyme

Other Prominent Players

Global Geosynthetics: Regions

Global Geosynthetics market is segmented based on regional analysis into five major regions: North America, Latin America, Europe, Asia Pacific, and the Middle East and Africa. The market in APAC is expected to hold highest CAGR over the forecasted period. The overall regional market is likely to be driven by rising demand for oil reinforcement in the foundation work of residential buildings in the emerging economies of China and India over the forecast period. Due to several construction guidelines mandating the use of geosynthetics for infrastructure projects, Europe accounted for a substantial CAGR in 2020. Furthermore, the German government enacted strict waste management legislation in both the municipal and industrial sectors.

Global Geosynthetics is further segmented by region into:

North America Market Size, Share, Trends, Opportunities, Y-o-Y Growth, CAGR – United States and Canada Latin America Market Size, Share, Trends, Opportunities, Y-o-Y Growth, CAGR – Mexico, Argentina, Brazil and Rest of Latin America Europe Market Size, Share, Trends, Opportunities, Y-o-Y Growth, CAGR – United Kingdom, France, Germany, Italy, Spain, Belgium, Hungary, Luxembourg, Netherlands, Poland, NORDIC, Russia, Turkey and Rest of Europe Asia Pacific Market Size, Share, Trends, Opportunities, Y-o-Y Growth, CAGR – India, China, South Korea, Japan, Malaysia, Indonesia, New Zealand, Australia and Rest of APAC Middle East and Africa Market Size, Share, Trends, Opportunities, Y-o-Y Growth, CAGR – North Africa, Israel, GCC, South Africa and Rest of MENA

By Type Geotextiles Geomembranes Geogrids Geofoam Geonets Others By End User Waste Management Water Management Transportation Infrastructure Civil Construction Others Geosynthetics Dynamics Geosynthetics Size Supply & Demand Current

Trends/Issues/Challenges Competition & Companies Involved in the market value Chain
of the Market Market Drivers and Restraints

Global Geosynthetics report also contains analysis on:

Geosynthetics Segments:

By Type

Geotextiles

Geomembranes

Geogrids

Geofoam

Geonets

Others

By End-User

Waste Management

Water Management

Transportation Infrastructure

Civil Construction

Others

Geosynthetics Dynamics

Geosynthetics Size

Supply & Demand

Current Trends/Issues/Challenges

Competition & Companies Involved in the Market

Value Chain of the Market

Market Drivers and Restraints

Geosynthetics Market Report Scope and Segmentation

Report Attribute Details

Market size value in 2020 USD 13.5 billion

Revenue forecast in 2030 USD 33.2 billion

Growth Rate CAGR of 6.8% from 2021 to 2030

Base year for estimation 2020

Quantitative units Revenue in USD million and CAGR from 2021 to 2030

Report coverage Revenue forecast, company ranking, competitive landscape, growth factors, and trends

Segments covered Type, end-user, and Region

Regional scope North America, Europe, Asia Pacific, Latin America, Middle East & Africa (MEA)

Key companies profiled Polymer Group, Carthage Mills, Thrace Group, Hanes Geo Components, Tenax Group, GSE Environmental, Swicofil AG, Owens Corning, Low &

Bonar, and Other Prominent Players

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****The above given segmentations and companies could be subjected to further modification based on in-depth feasibility studies conducted for the final deliverable.**

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