

Geogrid Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2022-2027

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Abstracts

The global geogrid market reached a value of US\$ 1,017 Million in 2021. Looking forward, IMARC Group expects the market to reach US\$ 1,688 Million by 2027, exhibiting a CAGR of 9.05% during 2022-2027. Keeping in mind the uncertainties of COVID-19, we are continuously tracking and evaluating the direct as well as the indirect influence of the pandemic. These insights are included in the report as a major market contributor.

Geogrids are planar polymeric structures manufactured using polyethylene (PET), high-density polyethylene (HDPE), polypropylene (PP), aramid (AR), and polyvinyl alcohol (PVA). They comprise regular open networks of integrally connected tensile elements, which are usually linked by extrusion, bonding, and interlacing processes. As a result, they are utilized in different construction projects to provide filtration, stabilization, and reinforcement functions. These construction projects generally include haul roads, airport runways, parking lots, retaining walls, landfill liner systems, permanent unpaved roads, embankments over soft soils, and extra steep earthwork slopes.

Geogrid Market Trends:

Construction sites generally have unfavorable conditions, such as weak and wet soils, wherein building structures require the adoption of an unconventional approach. This approach involves excavating the soil material and making a thick layer of aggregate using harmful chemicals. This, in confluence with the flourishing construction industry on account of the rising global population and improving existing infrastructure, represents one of the major factors catalyzing the demand for geogrids across the globe. Geogrids act as a simple, cost-effective solution for high resistance against soil microorganisms, chemicals, ultraviolet (UV) radiation, installation and mechanical damage, and long-term biological degradation. Moreover, due to rising environmental concerns, governing agencies of several countries, in collaboration with non-

governmental organizations (NGOs), are introducing awareness campaigns to prevent soil erosion. This is positively influencing the sales of geogrids to improve performance, structural integrity, and the foundation of railroad beds. Apart from this, geogrids are environmental-friendly and they reduce the depth of excavation, require less maintenance, and help enhance safety, seismic durability, soil strength, and life of paved roads. Consequently, geogrids are gaining traction around the world as an alternative to lime stabilization for heavy clays that contain sulfates.

Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global geogrid market, along with forecasts at the global, regional and country level from 2022-2027. Our report has categorized the market based on type and application.

Breakup by Type:

- Uniaxial Geogrid
- Biaxial Geogrid
- Triaxial Geogrid

Breakup by Application:

- Road Industry
- Railroad Stabilization
- Soil Reinforcement
- 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 along with the profiles of the key players being ACE Geosynthetics Enterprise Co. Ltd., Carthage Mills Inc., HUESKER Synthetic GmbH, Koninklijke Ten Cate B.V., NAUE GmbH & Co. KG, Propex Operating Company LLC, S i A Pietrucha Sp. z o.o., Taian Modern Plastics Co. Ltd, Tensar International Corporation, Thrace Group and Wrekin Products Ltd.

Key Questions Answered in This Report:

How has the global geogrid market performed so far and how will it perform in the coming years?
What has been the impact of COVID-19 on the global geogrid market?
What are the key regional markets?
What is the breakup of the market based on the type?
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 geogrid market and who are the key players?
What is the degree of competition in the industry?

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