

Polypropylene Based Non-Woven Geotextile Market - Global Industry Size, Share, Trends, Opportunity and Forecast, 2017-2027
Segmented By Technology (Needle Punch, Thermal, Chemical Bonding, Others), By Application (Road & Highways, Railways, Dams & Canals, Drainage System, Others), By GSM (Up to 100 GSM, 101-500 GSM, 501-1000 GSM, Above 1000 GSM Others), By Region

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Report description:

The global polypropylene based non-woven geotextile market is projected to grow at a significant CAGR of 4% during the forecast period, 2023-2027. The market is expected to reach a volume of 4.5 million tonnes by 2027F, owing to the surging demands for the polypropylene based non-woven geotextile to manufacture various end-use products. The non-woven geotextiles are used across various industries, including water filtration, agriculture, building and pavement construction, hydrogeology, environmental engineering, and more. They are also used in steep slopes, railroads, drainage systems, retaining walls, waterworks, and erosion control of sea embankments on compressible soil.

Non-woven geotextiles are porous geosynthetic materials created using soil, rock, or other geotechnical materials as a crucial component of a civil engineering project, structure, or system. The non-woven geotextiles are classified as sheets, webs, or batts of fabrics that are randomly or in a certain direction orientated. The material's physical characteristics, such as its high tensile strength, effective permeability, and high melting point, make it useful for various construction-related fields. The filaments or short fibers are joined using a binder, such as glue, rubber, casein, latex, cellulose derivative, or a synthetic resin.

Drainage systems and erosion control applications are driving demand for non-woven geotextiles made of propylene. The non-woven fabric's separation, reinforcing, filtration, and other qualities make it an excellent choice for drainage treatment

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systems and soil erosion control systems. Due to growing public concerns about keeping water bodies clean and sustaining marine life, there is an increasing demand for effective drainage systems and process waste before discharging it into water bodies. Besides, the growing application of non-woven geotextiles in healthcare for medical packaging, surgical gowns, drapes, wound dressings, etc., is also supporting the growth of the global polypropylene based non-woven geotextile market. Moreover, rising demand for geocells and geo roads for construction purposes due to their high absorption capacity is anticipated to propel the market growth.

The global polypropylene based non-woven geotextile market is segmented based on technology, application, GSM, regional distribution, and competitive landscape. Based on technology, the market is divided into needle punch, thermal, chemical bonding, and others. Based on region, the Asia-Pacific segment is expected to register the highest growth in the global polypropylene based non-woven geotextile market owing to increased demand for these materials in construction, agriculture, and automobile industries. Increasing urbanization and the rising occurrence of chronic disorders in the region are expected to boost the segment's growth.

Key players operating in the global polypropylene based non-woven geotextile market are Geosys Group, Fibertex Nonwovens A/S, Asahi Kasei Corporation, Huesker, Tytar Geosynthetics, Tencate Geosynthetics Americas, Hangzhou Nbond Nonwoven Co. Ltd., RadiciGroup, Ginni Filament Ltd., Flexituff International Ltd, among others.

Years considered for this report:

Historical Years: 2017-2020

Base Year: 2021

Estimated Year: 2022

Forecast Period: 2023-2027

Objective of the Study:

- To analyze the historical growth in the market size of the global polypropylene based non-woven geotextile from 2017 to 2021.
- To estimate and forecast the market size of global polypropylene based non-woven geotextile market from 2023 to 2027 and growth rate until 2027.
- To classify and forecast the global polypropylene based non-woven geotextile market based on technology, application, GSM, region, and company.
- To identify the dominant region or segment in the global polypropylene based non-woven geotextile market.
- To identify drivers and challenges for the global polypropylene based non-woven geotextile market.
- To examine competitive developments such as expansions, new product launches, mergers & acquisitions, etc., in the global polypropylene based non-woven geotextile market.
- To identify and analyze the profiles of leading players operating in the global polypropylene based non-woven geotextile market.
- To identify key sustainable strategies adopted by market players in global polypropylene based non-woven geotextile market.

TechSci Research performed both primary as well as exhaustive secondary research for this study. Initially, TechSci Research sourced a list of manufacturers across the country. Subsequently, TechSci Research conducted primary research surveys with the identified companies. While interviewing, the respondents were also enquired about their competitors. Through this technique, TechSci Research could include the manufacturers who could not be identified due to the limitations of secondary research. TechSci Research analyzed the manufacturers, distribution channels and presence of all major players across the country. TechSci Research calculated the market size of the Global polypropylene based non-woven geotextile market using a top-down approach, wherein data for various end-user segments was recorded and forecast for the future years. TechSci Research sourced these values from the industry experts and company representatives and externally validated through analyzing historical data of these products and applications for getting an appropriate, overall market size. Various secondary sources such as company websites, news articles, press releases, company annual reports, investor presentations and financial reports were also studied by TechSci Research.

Key Target Audience:

- Market research and consulting firms
- Government bodies such as regulating authorities and policy makers
- Organizations, forums, and alliances

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The study is useful in providing answers to several critical questions that are important for the industry stakeholders such as product manufacturers, suppliers and partners, end users, etc., besides allowing them in strategizing investments and capitalizing on market opportunities.

Report Scope:

In this report, global polypropylene based non-woven geotextile market has been segmented into following categories, in addition to the industry trends which have also been detailed below:

- Polypropylene Based Non-Woven Geotextile Market, By Technology:

- o Needle Punch
- o Thermal
- o Chemical Bonding
- o Others

- Polypropylene Based Non-Woven Geotextile Market, By Application:

- o Road & Highways
- o Railways
- o Dams & Canals
- o Drainage System
- o Others

- Polypropylene Based Non-Woven Geotextile Market, By GSM:

- o Up to 100 GSM
- o 101-500 GSM
- o 501-1000 GSM
- o Above 1000 GSM
- o Others

- Polypropylene based non-woven geotextile Market, By Region:

- o North America
 - United States
 - Mexico
 - Canada
- o Europe & CIS
 - France
 - Germany
 - United Kingdom
 - Italy
 - Russia
- o Asia-Pacific
 - China
 - India
 - Japan
 - South Korea
 - Australia
 - Indonesia
 - Vietnam
- o Middle East & Africa
 - South Africa
 - Saudi Arabia
 - UAE
 - Egypt

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- Iran
- o□South America
- Brazil
- Argentina
- Colombia

Competitive Landscape

Company Profiles: Detailed analysis of the major companies present in global polypropylene based non-woven geotextile market.

Available Customizations:

With the given market data, TechSci Research offers customizations according to a company's specific needs. The following customization options are available for the report:

Company Information

- Detailed analysis and profiling of additional market players (up to five).

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