

Artificial Turf Market - Global Industry Size, Share, Trends, Opportunity, and Forecast, Segmented By Material (Polyethylene, Polypropylene, Nylon), By Installation (Flooring, Wall Cladding), By Application (Residential, Commercial, Sports), By Infill Material (Plant, Petroleum, Sand), By Distribution Channel (Offline, Online), By Region & Competition, 2021-2031F

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Abstracts

The Global Artificial Turf Market is projected to grow from USD 7.36 Billion in 2025 to USD 11.63 Billion by 2031, reflecting a CAGR of 7.92%. This industry encompasses the production and installation of synthetic surfaces designed to mimic the biological traits and aesthetic of natural grass for sports and landscape purposes. Market expansion is primarily supported by the increasing need for water conservation and the economic advantages of low-maintenance facilities that offer high durability in severe weather. Data from the Synthetic Turf Council in 2024 indicates that a single natural grass sports field consumes up to 2.7 million gallons of water annually, while synthetic fields utilize zero, reinforcing the shift toward artificial solutions in drought-prone regions.

Despite these growth drivers, the market faces significant challenges regarding environmental sustainability and end-of-life management. The difficulty of recycling complex synthetic materials, alongside increasing regulatory scrutiny of microplastic pollution and infill disposal, creates a major barrier to expansion. These environmental issues threaten to impede broader adoption, as the complexities of managing waste streams could slow future market growth and complicate compliance with emerging ecological standards.

Market Driver

The escalating global demand for water-efficient landscaping serves as a critical driver for the artificial turf market, particularly in regions facing severe climate instability. As climate change intensifies drought conditions, municipal authorities are actively incentivizing the removal of natural grass to preserve essential water supplies. These initiatives significantly lower upfront installation costs, making synthetic alternatives more economically viable than water-intensive natural sod. For instance, the Southern Nevada Water Authority confirmed in its September 2024 'Water Smart Landscape Rebate Initiative Update' that it continues to provide a \$3.00 per square foot rebate for commercial and multi-family properties replacing turf with water-smart alternatives, directly stimulating market volume by validating synthetic turf as a sustainable tool for arid environments.

Concurrently, rising investments in professional and recreational sports infrastructure propel market expansion, driven by the need for all-weather playability and revenue maximization. Unlike natural grass, which degrades rapidly under high-frequency use, synthetic systems allow for continuous operation, enabling operators to host more events and generate consistent income. This demand is evidenced by substantial funding from governing bodies; the Football Foundation reported in May 2024 that it invested in over 100 3G pitches to mitigate play time lost to poor natural pitch quality. The commercial impact is reflected in manufacturing performance, with the Tarkett Group reporting in October 2024 that its Sports segment generated ?414 million in revenue, an 8.8% increase attributed largely to buoyant artificial turf installations.

Market Challenge

Environmental sustainability and end-of-life management represent a critical hurdle hampering the expansion of the Global Artificial Turf Market. As regulatory scrutiny over microplastic pollution intensifies, the industry faces increasing pressure to account for the disposal of complex synthetic materials. This growing oversight causes hesitation among municipalities and institutional buyers, who fear the long-term liability and escalating costs associated with removing and processing worn-out fields. Consequently, the lack of viable disposal options is delaying new installations and replacement cycles, effectively stalling market momentum in environmentally sensitive regions.

The intricacy of separating infill, backing, and fibers for recycling further compounds this

issue, creating a bottleneck that existing infrastructure struggles to address. According to the EMEA Synthetic Turf Council, in 2024, the specialized recycling processing capacity within Europe was limited to approximately 4.3 million square meters. This statistic underscores the significant gap between the vast volume of turf reaching the end of its lifecycle and the industry's current ability to sustainably process it, posing a direct threat to future market scalability.

Market Trends

A fundamental reshaping of the market is underway as manufacturers adopt organic and non-rubber infill alternatives to address escalating regulatory concerns over microplastic pollution. Motivated by the European Union's impending ban on intentionally added polymeric infills, the sector is swiftly moving toward biodegradable materials such as cork, wood, and olive pits, as well as developing infill-free systems. This drive for compliance is fueling product innovation; for instance, TenCate Grass announced in February 2025 the launch of 'Pivot Performance Turf,' a system engineered to stop granule migration, thereby reducing plastic shedding by 99% compared to standard crumb-rubber fields.

Simultaneously, the industry is prioritizing the development of advanced cooling and heat-reflective fibers to improve player safety and mitigate urban heat island effects. Because synthetic surfaces often retain dangerous levels of heat, manufacturers are integrating hydrophilic infills and infrared-reflective pigments to regulate temperatures via evaporative cooling. This focus on thermal management has proven effective; in October 2025, Brock USA reported that testing of their 'BrockFILL' organic wood particle infill showed fields were 33 degrees cooler than traditional crumb-rubber systems, offering significantly better protection for athletes in hot environments.

Key Market Players

Synthetic Turf International

Shaw Industries Group, Inc.

Sport Court Carolina

Tarkett S.A.

Synlawn Artificial Grass

Act Global

CONDOR Group

TIGERTURF

European Turf Group

CC Grass

ForeverLawn, Inc.

Limonta Sport S.p.A.

AstroTurf

Report Scope

In this report, the Global Artificial Turf Market has been segmented into the following categories, in addition to the industry trends which have also been detailed below:

Artificial Turf Market, By Material

Polyethylene

Polypropylene

Nylon

Artificial Turf Market, By Installation

Flooring

Wall Cladding

Artificial Turf Market, By Application

Residential

Commercial

Sports

Artificial Turf Market, By Infill Material

Plant

Petroleum

Sand

Artificial Turf Market, By Distribution Channel

Offline

Online

Artificial Turf Market, By Region

North America

United States

Canada

Mexico

Europe

France

United Kingdom

Italy

Germany

Spain

Asia Pacific

China

India

Japan

Australia

South Korea

South America

Brazil

Argentina

Colombia

Middle East & Africa

South Africa

Saudi Arabia

UAE

Competitive Landscape

Company Profiles: Detailed analysis of the major companies present in the Global Artificial Turf Market.

Available Customizations:

Global Artificial Turf Market report 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).

Contents

1. PRODUCT OVERVIEW

- 1.1. Market Definition
- 1.2. Scope of the Market
 - 1.2.1. Markets Covered
 - 1.2.2. Years Considered for Study
 - 1.2.3. Key Market Segmentations

2. RESEARCH METHODOLOGY

- 2.1. Objective of the Study
- 2.2. Baseline Methodology
- 2.3. Key Industry Partners
- 2.4. Major Association and Secondary Sources
- 2.5. Forecasting Methodology
- 2.6. Data Triangulation & Validation
- 2.7. Assumptions and Limitations

3. EXECUTIVE SUMMARY

- 3.1. Overview of the Market
- 3.2. Overview of Key Market Segmentations
- 3.3. Overview of Key Market Players
- 3.4. Overview of Key Regions/Countries
- 3.5. Overview of Market Drivers, Challenges, Trends

4. VOICE OF CUSTOMER

5. GLOBAL ARTIFICIAL TURF MARKET OUTLOOK

- 5.1. Market Size & Forecast
 - 5.1.1. By Value
- 5.2. Market Share & Forecast
 - 5.2.1. By Material (Polyethylene, Polypropylene, Nylon)
 - 5.2.2. By Installation (Flooring, Wall Cladding)
 - 5.2.3. By Application (Residential, Commercial, Sports)
 - 5.2.4. By Infill Material (Plant, Petroleum, Sand)

- 5.2.5. By Distribution Channel (Offline, Online)
- 5.2.6. By Region
- 5.2.7. By Company (2025)
- 5.3. Market Map

6. NORTH AMERICA ARTIFICIAL TURF MARKET OUTLOOK

- 6.1. Market Size & Forecast
 - 6.1.1. By Value
- 6.2. Market Share & Forecast
 - 6.2.1. By Material
 - 6.2.2. By Installation
 - 6.2.3. By Application
 - 6.2.4. By Infill Material
 - 6.2.5. By Distribution Channel
 - 6.2.6. By Country
- 6.3. North America: Country Analysis
 - 6.3.1. United States Artificial Turf Market Outlook
 - 6.3.1.1. Market Size & Forecast
 - 6.3.1.1.1. By Value
 - 6.3.1.2. Market Share & Forecast
 - 6.3.1.2.1. By Material
 - 6.3.1.2.2. By Installation
 - 6.3.1.2.3. By Application
 - 6.3.1.2.4. By Infill Material
 - 6.3.1.2.5. By Distribution Channel
 - 6.3.2. Canada Artificial Turf Market Outlook
 - 6.3.2.1. Market Size & Forecast
 - 6.3.2.1.1. By Value
 - 6.3.2.2. Market Share & Forecast
 - 6.3.2.2.1. By Material
 - 6.3.2.2.2. By Installation
 - 6.3.2.2.3. By Application
 - 6.3.2.2.4. By Infill Material
 - 6.3.2.2.5. By Distribution Channel
 - 6.3.3. Mexico Artificial Turf Market Outlook
 - 6.3.3.1. Market Size & Forecast
 - 6.3.3.1.1. By Value
 - 6.3.3.2. Market Share & Forecast

- 6.3.3.2.1. By Material
- 6.3.3.2.2. By Installation
- 6.3.3.2.3. By Application
- 6.3.3.2.4. By Infill Material
- 6.3.3.2.5. By Distribution Channel

7. EUROPE ARTIFICIAL TURF MARKET OUTLOOK

7.1. Market Size & Forecast

- 7.1.1. By Value

7.2. Market Share & Forecast

- 7.2.1. By Material
- 7.2.2. By Installation
- 7.2.3. By Application
- 7.2.4. By Infill Material
- 7.2.5. By Distribution Channel
- 7.2.6. By Country

7.3. Europe: Country Analysis

7.3.1. Germany Artificial Turf Market Outlook

7.3.1.1. Market Size & Forecast

- 7.3.1.1.1. By Value

7.3.1.2. Market Share & Forecast

- 7.3.1.2.1. By Material
- 7.3.1.2.2. By Installation
- 7.3.1.2.3. By Application
- 7.3.1.2.4. By Infill Material
- 7.3.1.2.5. By Distribution Channel

7.3.2. France Artificial Turf Market Outlook

7.3.2.1. Market Size & Forecast

- 7.3.2.1.1. By Value

7.3.2.2. Market Share & Forecast

- 7.3.2.2.1. By Material
- 7.3.2.2.2. By Installation
- 7.3.2.2.3. By Application
- 7.3.2.2.4. By Infill Material
- 7.3.2.2.5. By Distribution Channel

7.3.3. United Kingdom Artificial Turf Market Outlook

7.3.3.1. Market Size & Forecast

- 7.3.3.1.1. By Value

- 7.3.3.2. Market Share & Forecast
 - 7.3.3.2.1. By Material
 - 7.3.3.2.2. By Installation
 - 7.3.3.2.3. By Application
 - 7.3.3.2.4. By Infill Material
 - 7.3.3.2.5. By Distribution Channel
- 7.3.4. Italy Artificial Turf Market Outlook
 - 7.3.4.1. Market Size & Forecast
 - 7.3.4.1.1. By Value
 - 7.3.4.2. Market Share & Forecast
 - 7.3.4.2.1. By Material
 - 7.3.4.2.2. By Installation
 - 7.3.4.2.3. By Application
 - 7.3.4.2.4. By Infill Material
 - 7.3.4.2.5. By Distribution Channel
- 7.3.5. Spain Artificial Turf Market Outlook
 - 7.3.5.1. Market Size & Forecast
 - 7.3.5.1.1. By Value
 - 7.3.5.2. Market Share & Forecast
 - 7.3.5.2.1. By Material
 - 7.3.5.2.2. By Installation
 - 7.3.5.2.3. By Application
 - 7.3.5.2.4. By Infill Material
 - 7.3.5.2.5. By Distribution Channel

8. ASIA PACIFIC ARTIFICIAL TURF MARKET OUTLOOK

- 8.1. Market Size & Forecast
 - 8.1.1. By Value
- 8.2. Market Share & Forecast
 - 8.2.1. By Material
 - 8.2.2. By Installation
 - 8.2.3. By Application
 - 8.2.4. By Infill Material
 - 8.2.5. By Distribution Channel
 - 8.2.6. By Country
- 8.3. Asia Pacific: Country Analysis
 - 8.3.1. China Artificial Turf Market Outlook
 - 8.3.1.1. Market Size & Forecast

- 8.3.1.1.1. By Value
- 8.3.1.2. Market Share & Forecast
 - 8.3.1.2.1. By Material
 - 8.3.1.2.2. By Installation
 - 8.3.1.2.3. By Application
 - 8.3.1.2.4. By Infill Material
 - 8.3.1.2.5. By Distribution Channel
- 8.3.2. India Artificial Turf Market Outlook
 - 8.3.2.1. Market Size & Forecast
 - 8.3.2.1.1. By Value
 - 8.3.2.2. Market Share & Forecast
 - 8.3.2.2.1. By Material
 - 8.3.2.2.2. By Installation
 - 8.3.2.2.3. By Application
 - 8.3.2.2.4. By Infill Material
 - 8.3.2.2.5. By Distribution Channel
- 8.3.3. Japan Artificial Turf Market Outlook
 - 8.3.3.1. Market Size & Forecast
 - 8.3.3.1.1. By Value
 - 8.3.3.2. Market Share & Forecast
 - 8.3.3.2.1. By Material
 - 8.3.3.2.2. By Installation
 - 8.3.3.2.3. By Application
 - 8.3.3.2.4. By Infill Material
 - 8.3.3.2.5. By Distribution Channel
- 8.3.4. South Korea Artificial Turf Market Outlook
 - 8.3.4.1. Market Size & Forecast
 - 8.3.4.1.1. By Value
 - 8.3.4.2. Market Share & Forecast
 - 8.3.4.2.1. By Material
 - 8.3.4.2.2. By Installation
 - 8.3.4.2.3. By Application
 - 8.3.4.2.4. By Infill Material
 - 8.3.4.2.5. By Distribution Channel
- 8.3.5. Australia Artificial Turf Market Outlook
 - 8.3.5.1. Market Size & Forecast
 - 8.3.5.1.1. By Value
 - 8.3.5.2. Market Share & Forecast
 - 8.3.5.2.1. By Material

- 8.3.5.2.2. By Installation
- 8.3.5.2.3. By Application
- 8.3.5.2.4. By Infill Material
- 8.3.5.2.5. By Distribution Channel

9. MIDDLE EAST & AFRICA ARTIFICIAL TURF MARKET OUTLOOK

9.1. Market Size & Forecast

9.1.1. By Value

9.2. Market Share & Forecast

9.2.1. By Material

9.2.2. By Installation

9.2.3. By Application

9.2.4. By Infill Material

9.2.5. By Distribution Channel

9.2.6. By Country

9.3. Middle East & Africa: Country Analysis

9.3.1. Saudi Arabia Artificial Turf Market Outlook

9.3.1.1. Market Size & Forecast

9.3.1.1.1. By Value

9.3.1.2. Market Share & Forecast

9.3.1.2.1. By Material

9.3.1.2.2. By Installation

9.3.1.2.3. By Application

9.3.1.2.4. By Infill Material

9.3.1.2.5. By Distribution Channel

9.3.2. UAE Artificial Turf Market Outlook

9.3.2.1. Market Size & Forecast

9.3.2.1.1. By Value

9.3.2.2. Market Share & Forecast

9.3.2.2.1. By Material

9.3.2.2.2. By Installation

9.3.2.2.3. By Application

9.3.2.2.4. By Infill Material

9.3.2.2.5. By Distribution Channel

9.3.3. South Africa Artificial Turf Market Outlook

9.3.3.1. Market Size & Forecast

9.3.3.1.1. By Value

9.3.3.2. Market Share & Forecast

- 9.3.3.2.1. By Material
- 9.3.3.2.2. By Installation
- 9.3.3.2.3. By Application
- 9.3.3.2.4. By Infill Material
- 9.3.3.2.5. By Distribution Channel

10. SOUTH AMERICA ARTIFICIAL TURF MARKET OUTLOOK

- 10.1. Market Size & Forecast
 - 10.1.1. By Value
- 10.2. Market Share & Forecast
 - 10.2.1. By Material
 - 10.2.2. By Installation
 - 10.2.3. By Application
 - 10.2.4. By Infill Material
 - 10.2.5. By Distribution Channel
 - 10.2.6. By Country
- 10.3. South America: Country Analysis
 - 10.3.1. Brazil Artificial Turf Market Outlook
 - 10.3.1.1. Market Size & Forecast
 - 10.3.1.1.1. By Value
 - 10.3.1.2. Market Share & Forecast
 - 10.3.1.2.1. By Material
 - 10.3.1.2.2. By Installation
 - 10.3.1.2.3. By Application
 - 10.3.1.2.4. By Infill Material
 - 10.3.1.2.5. By Distribution Channel
 - 10.3.2. Colombia Artificial Turf Market Outlook
 - 10.3.2.1. Market Size & Forecast
 - 10.3.2.1.1. By Value
 - 10.3.2.2. Market Share & Forecast
 - 10.3.2.2.1. By Material
 - 10.3.2.2.2. By Installation
 - 10.3.2.2.3. By Application
 - 10.3.2.2.4. By Infill Material
 - 10.3.2.2.5. By Distribution Channel
 - 10.3.3. Argentina Artificial Turf Market Outlook
 - 10.3.3.1. Market Size & Forecast
 - 10.3.3.1.1. By Value

10.3.3.2. Market Share & Forecast

10.3.3.2.1. By Material

10.3.3.2.2. By Installation

10.3.3.2.3. By Application

10.3.3.2.4. By Infill Material

10.3.3.2.5. By Distribution Channel

11. MARKET DYNAMICS

11.1. Drivers

11.2. Challenges

12. MARKET TRENDS & DEVELOPMENTS

12.1. Merger & Acquisition (If Any)

12.2. Product Launches (If Any)

12.3. Recent Developments

13. GLOBAL ARTIFICIAL TURF MARKET: SWOT ANALYSIS

14. PORTER'S FIVE FORCES ANALYSIS

14.1. Competition in the Industry

14.2. Potential of New Entrants

14.3. Power of Suppliers

14.4. Power of Customers

14.5. Threat of Substitute Products

15. COMPETITIVE LANDSCAPE

15.1. Synthetic Turf International

15.1.1. Business Overview

15.1.2. Products & Services

15.1.3. Recent Developments

15.1.4. Key Personnel

15.1.5. SWOT Analysis

15.2. Shaw Industries Group, Inc.

15.3. Sport Court Carolina

15.4. Tarkett S.A.

15.5. Synlawn Artificial Grass

15.6. Act Global

15.7. CONDOR Group

15.8. TIGERTURF

15.9. European Turf Group

15.10. CC Grass

15.11. ForeverLawn, Inc.

15.12. Limonta Sport S.p.A.

15.13. AstroTurf

16. STRATEGIC RECOMMENDATIONS

17. ABOUT US & DISCLAIMER

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