SCOTTS INTERNATIONAL

Unidirectional Tape - Market Share Analysis, Industry Trends & Statistics, Growth Forecasts 2019 - 2029

Market Report | 2024-02-17 | 150 pages | Mordor Intelligence

AVAILABLE LICENSES:

- Single User License $4750.00
- Team License (1-7 Users) $5250.00
- Site License $6500.00
- Corporate License $8750.00

Report description:

The Unidirectional Tape Market size is estimated at USD 386.83 million in 2024, and is expected to reach USD 637.57 million by 2029, growing at a CAGR of 10.51% during the forecast period (2024-2029).

The market was negatively impacted by COVID-19 in 2020. Presently the market has now reached pre-pandemic levels.

Key Highlights
-Over the medium term, one of the main factors driving the market is the growing demand from the aerospace and rising usage of unidirectional tape in the wind and automotive industries.
-On the flipside, high manufacturing and high processing costs of unidirectional tapes are expected to hinder the market's growth.
-Increasing Investment by major companies worldwide in R&D activities to develop new unidirectional tape products is likely to act as an opportunity for the market studied in the coming years.
-Asia-Pacific region is expected to dominate the market with increasing manufacturing from aerospace industry.

Unidirectional Tapes Market Trends

Growing Demand from the Aerospace and Defense Industry

- Unidirectional tapes are manufactured from glass or carbon fiber embedded in a thermoplastic matrix and are specifically customized based on their different applications.

- Thermoset UD tapes are generally utilized across different industries, as they are less expensive, exceptionally receptive, and have ease of impregnation. High utilization of carbon fiber/epoxy composites in the aerospace Industry inferable from their lightweight, high quality and modulus, and superb fatigue performance.
- The global aerospace materials market is estimated to witness healthy growth over the forecast period due to increasing composites' usage in aircraft manufacturing and increasing government spending on military and defense in the major countries like the United States, China, India, the United Kingdom, and so on.
- According to data by Stockholm International Peace Research Institute(SIPRI), US and China accounted for the largest military expenditure in 2021 which was valued at around USD 801.0 billion and USD 293.0 billion respectively followed by India and UK at USD 76.6 billion and USD 68.4 billionrespectively.
- The global military aircraft and aerospace manufacturing market for aerospace and defense in 2021 were valued at approximately USD 255.8 billion which includes dominant players such as Boeing, Lockheed, and Northrop Grumma. The increasing investments in the research and development (R&D) of advanced composite materials by several aerospace incumbents, like The Boeing Company, and Airbus SE, among others, is also supporting the growth of the unidirectional tapes market.
- Hence, owing to the above-mentioned factors, the application of unidirectional tape from aerospace industry is likely to dominate during the forecast period.

Asia-Pacific Region to Dominate the Market

- The Asia-Pacific region is expected to dominate the market during the forecast period. The rising demand for unidirectional tape from the defense industry in countries like China and India is expected to drive the demand for unidirectional tape in this region.
- Unidirectional tapes are used to design lightweight, high-impact, strong materials for high-performance automotive applications. The Chinese automotive manufacturing industry is the largest in the world, with a production share of just over 32.5% in 2021. The industry is supported by multinational players operating large manufacturing facilities in the country.
- The growing civil aircraft fleet steadily boosts the demand for unidirectional tape in China. Moreover, in the next 20 years, the Chinese airline companies plan to purchase about 7,690 new aircraft, which are valued at about USD 1.2 trillion.
- Automotive production in India witnessed a 30% growth in 2021. The significant growth was supported by government reforms to enhance industrial production and high demand for automobiles from the end consumers in the country. As per the reports by the Society of Indian Automobile Manufacturers, SIAM, the country produced a total of 22,933,230 vehicles, including passenger vehicles, commercial vehicles, three-wheelers, two-wheelers, and quadricycles, between April 2021 to March 2022. Moreover, the government's reforms, such as "Aatma Nirbhar Bharat" and "Make in India" programs, are likely to boost the automotive industry.
- According to IATA (International Air Transport Association) report, India is poised to become the third-largest aviation market in the world by the end of the forecast period. In the aerospace sector, according to the India Brand Equity Foundation (IBEF), the country's aviation industry is expected to witness INR 35,000 crore (~USD 4.99 billion) investment in the next four years.
- Furthermore, according to the Global Wind Report, 2022, by the Global Wind Energy Council (GWEC), the Indian wind market outlook for 2022 and 2023 is projected at 3.2 GW and 4.1 GW of onshore wind installations respectively.
- Asia-Pacific holds a significant share in the sports and leisure equipment market, and it is expected to grow significantly during the forecast period.
- Owing to the above-mentioned factors, the market for unidirectional tape in the Asia-Pacific region is projected to grow significantly during the study period.

Unidirectional Tapes Industry Overview

The unidirectional tape market is consolidated in nature, with the top five players accounting for a significant share in the global market. Some of the major companies (not in any particular order) are TEIJIN LIMITED, Hexcel Corporation, Celanese Corporation, TORAY INDUSTRIES INC., and Mitsui Chemicals Inc., among others.

Additional Benefits:

- The market estimate (ME) sheet in Excel format
- 3 months of analyst support

Table of Contents:

Scotts International. EU Vat number: PL 6772247784
tel. 0048 603 394 346 e-mail: support@scotts-international.com
www.scotts-international.com

SCOTTS INTERNATIONAL

Unidirectional Tape - Market Share Analysis, Industry Trends & Statistics, Growth Forecasts 2019 - 2029

Market Report | 2024-02-17 | 150 pages | Mordor Intelligence

To place an Order with Scotts International:

- - Print this form
- - Complete the relevant blank fields and sign
- - Send as a scanned email to support@scotts-international.com

ORDER FORM:

Select license	License	Price
	Single User License	$4750.00
	Team License (1-7 Users)	$5250.00
	Site License	$6500.00
	Corporate License	$8750.00
	VAT	
	Total	

*Please circle the relevant license option. For any questions please contact support@scotts-international.com or 0048 603 394 346.

** VAT will be added at 23% for Polish based companies, individuals and EU based companies who are unable to provide a valid EU Vat Numbers.

Email*		Phone*	
First Name*		Last Name*	
Job title*			
Company Name*		EU Vat / Tax ID / NIP number*	
Address*		City*	
Zip Code*		Country*	
		Date	2026-03-04
		Signature	

Scotts International. EU Vat number: PL 6772247784
tel. 0048 603 394 346 e-mail: support@scotts-international.com
www.scotts-international.com