

Adhesive Tapes Market Report by Material (Polypropylene, Paper, Polyvinyl Chloride, and Others), Resin (Acrylic, Rubber, Silicone, and Others), Technology (Water-Based Adhesive Tapes, Solvent-Based Adhesive Tapes, Hot-Melt-Based Adhesive Tapes), Application (Packaging Tapes, Masking Tapes, Specialized Tapes, and Others), and Region 2024-2032

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Report description:

The global adhesive tapes market size reached US\$ 69.8 Billion in 2023. Looking forward, IMARC Group expects the market to reach US\$ 102.9 Billion by 2032, exhibiting a growth rate (CAGR) of 4.3% during 2024-2032. The growing improvements in the operations of the packaging industry, increasing technological advancements in the production of specialty tapes, and rising demand for lightweight and fuel-efficient vehicles are some of the major factors propelling the market.

Adhesive tapes are versatile materials consisting of a flexible backing material coated with an adhesive substance on one or both sides. They comprise adhesive materials, which can be permanent, removable, or repositionable, depending on the required level of adhesion and the intended use. They are available as masking, duct, double-sided, electrical, packaging, and medical tape, which is used in the healthcare sector for wound care, bandaging, and securing medical equipment. They have backings made of various materials, including paper, polyvinyl chloride (PVC), polyester, cloth, and foam.

At present, the increasing demand for adhesive tapes in the aerospace industry for applications, such as sealing aircraft cabins, insulating wiring, and bonding composite materials is impelling the growth of the market. Besides this, the rising employment of adhesive tapes in arts and crafts due to their ease of use and ability to bond a wide range of materials is contributing to the growth of the market. In addition, the growing utilization of adhesive tapes in construction purposes to bond materials like insulation, vapor barriers, and flooring and in masking surfaces during painting is offering a favorable market outlook. Apart from

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this, the increasing demand for lightweight and fuel-efficient vehicles to minimize the impact of air pollution is strengthening the growth of the market. Additionally, the rising adoption of adhesive tapes in the e-commerce sector for securing various packages is supporting the growth of the market.

Adhesive Tapes Market Trends/Drivers:

Growing improvements in the operations of the packaging industry

The growing demand for improvements in the operations of the packaging industry is currently exerting a positive influence on the growth of the adhesive tapes market. The ongoing demand for adhesive tapes stems from their ability to provide secure and reliable sealing for packages, ensuring the protection of goods during transit and storage. Moreover, adhesive tapes are playing a vital role in minimizing packaging waste, contributing to sustainability efforts in the industry. Furthermore, the adhesive tapes market is witnessing a surge in research and development (R&D) operations, leading to innovative product offerings that cater to the specific requirements of the packaging sector. This continuous innovation is essential to meet the ever-evolving challenges and opportunities within the packaging industry.

Rising demand for electronics and electrical applications

At present, the rising demand for adhesive tapes in electronics and electrical applications is positively influencing the growth of the market. Besides this, the ongoing proliferation of electronic devices and electrical equipment across various industries is driving the demand for reliable and efficient bonding solutions. Adhesive tapes, with their versatility and adaptability, are playing an instrumental role in securing components, insulating circuits, and enhancing overall product performance. As businesses innovate and expand their electronic and electrical offerings, the demand for adhesive tapes is steadily increasing. Furthermore, the advent of emerging technologies, such as flexible electronics and wearable devices, is creating new avenues for adhesive tape applications. These cutting-edge innovations rely heavily on adhesive tapes for their flexible and reliable bonding needs. As these technologies continue to advance, the adhesive tape market is poised to increase further to cater to their unique requirements.

Increasing technological advancements in the production of specialty tapes

The increasing technological advancement in the manufacturing of specialty tapes are propelling the growth of the adhesive tapes market. Besides this, ongoing research and development (R&D) activities in adhesive tape manufacturing are yielding innovative materials and production techniques. These advancements are enabling the creation of specialty tapes with enhanced properties, such as greater adhesion strength, improved durability, and superior resistance to various environmental factors. Furthermore, the continuous refinement of manufacturing processes and machinery is streamlining production efficiency, reducing costs, and enhancing the overall quality of adhesive tapes. The adoption of automated production systems and the integration of smart technologies are helping manufacturers meet the rising demand for specialty tapes with precision and consistency. This efficiency improvement is fostering market growth by ensuring a stable supply of high-quality adhesive tapes to meet diverse industrial needs.

Adhesive Tapes Industry Segmentation:

IMARC Group provides an analysis of the key trends in each segment of the global adhesive tapes market report, along with forecasts at the global and regional levels from 2024-2032. Our report has categorized the market based on material, resin, technology and application.

Breakup by Material:

Polypropylene

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Paper
Polyvinyl Chloride
Others

Polypropylene dominates the market

The report has provided a detailed breakup and analysis of the market based on the material. This includes polypropylene, paper, polyvinyl chloride, and others. According to the report, polypropylene represented the largest segment.

Polypropylene is a versatile polymer known for its excellent combination of properties, making it well-suited for various tape applications. It has good tensile strength, which means it can resist stretching and tearing. This property is essential for tapes used in packaging and sealing applications, as they need to withstand stress and pressure. Polypropylene is relatively resistant to many chemicals, making it suitable for tapes used in environments where exposure to chemicals is a concern. It has inherent water-resistant properties, making it a suitable choice for tapes used in applications where exposure to moisture or humidity is likely. It is relatively inexpensive compared to some other materials, making it a cost-effective choice for manufacturing adhesive tapes.

Breakup by Resin:

Acrylic
Rubber
Silicone
Others

Acrylic holds the largest share in the market

A detailed breakup and analysis of the market based on the resin have also been provided in the report. This includes acrylic rubber, silicone, and others. According to the report, acrylic accounted for the largest market share.

Acrylic resin is commonly used in adhesive tapes as an adhesive material for providing strong initial tack and adhesion to various types of surfaces, including plastics, metals, glass, and paper. It offers good resistance to ultraviolet (UV) radiation, weathering, and aging, making it suitable for outdoor applications. It can withstand extreme ranges of temperature, including both cold and hot conditions, without losing its adhesive properties. It is often resistant to chemicals, which makes them suitable for applications where exposure to chemicals is a concern. It is generally transparent, so it does not obstruct visibility when used in clear tapes. It typically has a fast bonding time, allowing for quick assembly or bonding of materials.

Breakup by Technology:

Water-Based Adhesive Tapes
Solvent-Based Adhesive Tapes
Hot-Melt-Based Adhesive Tapes

A detailed breakup and analysis of the market based on the technology has also been provided in the report. This includes water-based adhesive tapes, solvent-based adhesive tapes, and hot-melt-based adhesive tapes.

Water-based adhesive tapes are a type of adhesive tape that uses a water-based adhesive as the bonding agent. These tapes are widely used for various applications due to their versatility, ease of use, and environmentally friendly properties. They are created

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to be easily removable without leaving behind residue or damaging the substrate.

Solvent-based adhesive tapes are a type of adhesive tape that uses a solvent-based adhesive as the bonding agent. They are known for their strong and durable bonding capabilities. They can adhere to various types of substrates, including plastics, metals, and glass, making them suitable for various industrial applications. They are often resistant to environmental factors, such as moisture, heat, and chemicals. This makes them suitable for outdoor applications and in harsh conditions.

Hot melt-based adhesive tapes use a thermoplastic adhesive that becomes liquid when heated and solidifies upon cooling. They offer rapid bonding as the adhesive becomes liquid when heated, allowing for fast adhesion upon application. This makes them suitable for high-speed production processes. They can be used for various applications, including sealing, packaging, bonding, and assembly.

Breakup by Application:

- Packaging Tapes
- Masking Tapes
- Specialized Tapes
- Others

Packaging tapes hold the biggest share in the market

A detailed breakup and analysis of the market based on the application have also been provided in the report. This includes packaging tapes, masking tapes, specialized tapes, and others. According to the report, packaging tapes accounted for the largest market share.

Packaging tapes are essential tools for logistics and shipping purposes and ensure products and parcels are securely bundled and safeguarded during transit. They possess the ability to withstand the rigors of transportation, including jostling, stacking, and exposure to varying temperatures, making them indispensable in the packaging industry. They are used to wrap and secure items, such as gifts, packages, and bundles. They provide a neat and secure packaging solution. Packaging tape can be used for temporary repairs of torn paper, cardboard, or plastic items. When packing fragile items, packaging tape is often used to secure bubble wrap or other protective materials around the items to prevent breakage.

Breakup by Region:

- Polypropylene
- Paper
- Polyvinyl Chloride
- Others

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North America

Europe

Asia Pacific

Middle East and Africa

Latin America

Asia Pacific exhibits a clear dominance, accounting for the largest adhesive tapes market share

The market research report has also provided a comprehensive analysis of all the major regional markets, which include North America, Europe, Asia Pacific, the Middle East and Africa, and Latin America. According to the report, Asia Pacific accounted for the largest market share.

Asia Pacific held the biggest market share due to the rising purchase of various passenger cars to commute comfortably without availing of public transportation. Besides this, the increasing investment in infrastructure development, including roads, bridges, airports, and buildings, is propelling the growth of the market. Apart from this, increasing online shopping activities among the masses to purchase various products and services online are supporting the growth of the market. Additionally, the rising demand for cost-effective alternatives to traditional fastening and bonding methods, such as welding or mechanical fasteners, is strengthening the growth of the market.

North America is estimated to expand further in this domain due to the increasing production of sustainable and eco-friendly adhesive tape solutions. Moreover, the rising demand for medical-grade adhesive tapes in the healthcare sector is contributing to the growth of the market.

Competitive Landscape:

Key market players are investing in research and development (R&D) activities to create innovative products with improved performance characteristics, which include tapes with enhanced adhesive properties, durability, and eco-friendly options to meet market demands. They are also focusing on sustainability by developing eco-friendly adhesive tapes made from recyclable

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materials or using adhesive technologies that reduce environmental impact. Top companies are expanding their market presence both geographically and in terms of offerings. They are also focusing on strategic acquisitions, partnerships, or opening new production facilities in emerging markets. Leading companies are tailoring their products to meet the specific needs of different industries. They are also implementing advanced manufacturing technologies and automation to improve production efficiency and reduce costs.

The report has provided a comprehensive analysis of the competitive landscape in the market. Detailed profiles of all major companies have also been provided. Some of the key players in the market include:

3M Company
Nitto Denko Corporation
Tesa SE
Lintec Corporation
Avery Dennison Corporation
Intertape Polymer Group Inc.
Shurtape Technologies LLC.
Scapa Group PLC
Lohmann GmbH & Co. Kg
Nichiban Co. Ltd.
Sekisui Chemical Co. Ltd.

Recent Developments:

In 2023, Nitto Denko Corporation announced the adoption of a new internal system for differentiating products that are eco-friendly, such as bio based adhesive tape with recycled films, and contribute to the quality of human life.

In 2023, Tesa SE announced the launch of flame-retardant adhesive tapes, which are appropriate for aircraft floors and can be bonded securely and removed without damage after use.

In 2022, Lintec Corporation announced an investment of 4.5 billion yen in its Agatsuma Plant to cover the installation of new state-of-the-art production equipment for related tapes essential to the semiconductor manufacturing process.

Key Questions Answered in This Report

1. What is the size of the global adhesive tapes market in 2023?
2. What is the expected growth rate of the global adhesive tapes market in 2024-2032?
3. What are the key factors driving the global adhesive tapes market?
4. What has been the impact of COVID-19 on the global adhesive tapes market?
5. What is the breakup of the global adhesive tapes market based on the material?
6. What is the breakup of the global adhesive tapes market based on the application?
7. What are the key regions in the global adhesive tapes market?
8. Who are the key companies/players in the global adhesive tapes market?

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