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Automotive Adhesive Tapes Market Forecasts to 2030 – Global Analysis by Type (Commodity Adhesive Tapes and Specialty Adhesive Tapes), Resin, Backing Material, Technology, Application, End User and By Geography

https://marketpublishers.com/r/A6C181C7F97DEN.html
Date: February 2025
Pages: 150
Price: US$ 4,150.00 (Single User License)
ID: A6C181C7F97DEN

Abstracts

According to Stratistics MRC, the Global Automotive Adhesive Tapes Market is accounted for $11.5 billion in 2024 and is expected to reach $18.1 billion by 2030 growing at a CAGR of 7.9% during the forecast period. Automotive adhesive tapes are specialized bonding materials used in the automotive industry for a wide range of applications, including bonding, sealing, insulating, and surface protection. These tapes are designed to replace traditional fastening methods such as screws, bolts, and welding, offering advantages like reduced weight, enhanced aesthetics, and simplified assembly. Made from materials like foam, film, paper, or cloth, and coated with adhesives such as acrylic, rubber, or silicone, these tapes provide strong adhesion, temperature resistance, and durability.

According to the Organisation Internationale des Constructeurs d'Automobiles (OICA), global vehicle manufacturing increased by 5.6% in 2023.

Market Dynamics:

Driver:

Increased Demand for Lightweight Vehicles

The growing demand for lightweight automobiles benefits the automotive adhesive tapes market by increasing the requirement for improved bonding solutions. Specialized

adhesives are needed to replace conventional fasteners in lightweight materials like composites and aluminum, which reduce vehicle weight and increase fuel economy. Benefits of adhesive tapes include improved durability, reduced noise, and expedited assembly procedures. The need for creative adhesive tape solutions keeps rising as automakers prioritize sustainability and legal compliance, which propels market development and growth.

Restraint:

Volatility in Raw Material Prices

Volatility in raw material prices can significantly hinder the automotive adhesive tapes market by increasing production costs, leading to higher prices for end products. This fluctuation can disrupt supply chain stability, reducing profitability for manufacturers. Additionally, unpredictable costs may result in difficulties for long-term contract negotiations, affecting market demand and creating uncertainty. Manufacturers may struggle to maintain competitive pricing while ensuring high-quality standards, ultimately impacting market growth.

Opportunity:

Growing Automotive Production

The growing automotive production significantly drives the demand for automotive adhesive tapes. As vehicle manufacturers adopt advanced materials and lightweight designs, adhesive tapes are increasingly used in assembly processes, including bonding, sealing, and insulation. This trend fosters innovation in adhesive tape formulations, ensuring they meet automotive industry standards for durability, heat resistance, and flexibility. The rising production of electric vehicles and advanced automotive technologies further accelerates the adoption of adhesive tapes, positively impacting market growth.

Threat:

Environmental Concerns Over Disposal

Environmental concerns over the disposal of automotive adhesive tapes are hindering market growth. These tapes, often composed of non-biodegradable materials, contribute to waste accumulation. As automotive manufacturers and consumers become more eco-conscious, the demand for sustainable alternatives increases. Regulations on waste management and recycling also pose challenges for companies, urging them to innovate in developing environmentally friendly solutions, thus slowing down adoption in the market.

Covid-19 Impact:

The COVID-19 pandemic significantly impacted the automotive adhesive tapes market due to production halts, supply chain disruptions, and a decline in vehicle manufacturing. However, as industries began to recover, the market saw a gradual rebound driven by the increasing demand for lightweight vehicles, safety features, and improved fuel efficiency. The growing trend of electric vehicles (EVs) also boosted the market for specialized adhesive tapes in automotive applications.

The silicone segment is expected to be the largest during the forecast period

The silicone segment is expected to account for the largest market share during the forecast period, due to its excellent heat resistance, durability, and ability to withstand extreme environmental conditions. These properties make silicone adhesive tapes ideal for automotive applications like sealing, insulation, and bonding in high-temperature environments. As the automotive industry shifts towards more durable and efficient materials, the demand for silicone-based tapes increases, contributing to the market's expansion by ensuring long-lasting performance and reliability in critical automotive components.

The healthcare segment is expected to have the highest CAGR during the forecast period

Over the forecast period, the healthcare segment is predicted to witness the highest growth rate owing to increasing demand for specialized tapes used in medical vehicle modifications, such as for ambulances and transport of patients. These tapes are essential for securing medical equipment, ensuring safety, and improving vehicle hygiene. Additionally, adhesive tapes used in electric and hybrid vehicles are gaining traction in healthcare applications for energy-efficient medical transport solutions, further boosting market demand. This trend supports the market's overall expansion.

Region with largest share:

During the forecast period, the North America region is expected to hold the largest market share due to increased demand for lightweight, durable, and cost-effective solutions in vehicle manufacturing. Adhesive tapes offer enhanced safety, vibration damping, and noise reduction, improving vehicle performance. The trend toward electric vehicles (EVs) and advanced automotive technologies further drives market demand, as adhesive tapes are essential in assembling lightweight parts and electronics. Strong automotive production and a focus on fuel efficiency contribute to the market's positive outlook.

Region with highest CAGR:

Over the forecast period, the Asia Pacific region is anticipated to exhibit the highest CAGR because of increased automobile manufacturing, especially in nations like China, Japan, and India. The market for adhesive tapes is rising as a result of improvements in electric car manufacturing and the growing need for lightweight, fuel-efficient automobiles. Benefits of these tapes include increased longevity, affordability, and simplicity of use in a variety of automobile parts. Furthermore, the region's emphasis on environmental sustainability encourages the use of environmentally friendly adhesives in the production of automobiles.

Key players in the market

Some of the key players in Automotive Adhesive Tapes market include 3M, ABI Tape Products, Adchem Corporation, Avery Dennison Corporation, Berry Global Inc., Certoplast Technische Klebebander GmbH, Coroplast Fritz Muller GmbH & Co. KG, Henkel AG & Co. KGaA, Intertape Polymer Group (IPG), L&L Products, Inc., Lintec Corporation, Lohmann GmbH & Co. KG, Nitto Denko Corporation, PPG Industries, Saint-Gobain, Scapa Group Ltd, Shurtape Technologies, LLC, Sika AG, tesa SE and ThreeBond Co., Ltd.

Key Developments:

In December 2024, Berry Global Group, Inc. and VOID Technologies announced their successful collaboration to commercialize a new high-performance polyethylene (PE) film designed for pet food packaging.

In November 2024, Berry Global and T2 Maschinenbau highlighted the possibilities of recycled plastic content in Single Wound Sheet (SWS) films, used to make PE bags for a wide range of end applications including agriculture, horticulture, chemicals, construction, and consumer and industrial products.

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In November 2024, Amcor plc and Berry Global Group, Inc. announced they have entered into a definitive merger agreement, to create a global leader in consumer packaging solutions, with a broader flexible film and converted film offering for customers, scaled containers and closures business and a unique global healthcare portfolio.

Types Covered:

Commodity Adhesive Tapes

Specialty Adhesive Tapes

Resins Covered:

Acrylic,

Silicone

Rubber

Other Resins

Backing Materials Covered:

Polypropylene (PP)

Polyvinylchloride (PVC)

Paper

Non -woven

Foam

Cotton

Technologies Covered:

- Solvent-based
- Hot-Melt based
- Water-based

Applications Covered:

- Exterior
- Interior
- Electric Vehicle

End Users Covered:

- Packaging
- Electrical & Electronics
- Healthcare
- Automotive
- White Goods
- Paper & Printing
- Building & Construction
- Retail
- Other End Users

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Regions Covered:

- North America
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  - Canada
  - Mexico
- Europe
  - Germany
  - UK
  - Italy
  - France
  - Spain
  - Rest of Europe
- Asia Pacific
  - Japan
  - China
  - India
  - Australia
  - New Zealand
  - South Korea
  - Rest of Asia Pacific

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South America

Argentina

Brazil

Chile

Rest of South America

Middle East & Africa

Saudi Arabia

UAE

Qatar

South Africa

Rest of Middle East & Africa

What our report offers:
- Market share assessments for the regional and country-level segments
- Strategic recommendations for the new entrants
- Covers Market data for the years 2022, 2023, 2024, 2026, and 2030
- Market Trends (Drivers, Constraints, Opportunities, Threats, Challenges, Investment Opportunities, and recommendations)
- Strategic recommendations in key business segments based on the market estimations
- Competitive landscaping mapping the key common trends
- Company profiling with detailed strategies, financials, and recent developments
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- Company Profiling
  - Comprehensive profiling of additional market players (up to 3)
  - SWOT Analysis of key players (up to 3)
- Regional Segmentation
  - Market estimations, Forecasts and CAGR of any prominent country as per the client's interest (Note: Depends on feasibility check)
- Competitive Benchmarking
  - Benchmarking of key players based on product portfolio, geographical presence, and strategic alliances

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