

# **Aircraft Pressure Sensitive Tape Market - Global Industry Size, Share, Trends, Opportunity, and Forecast, Segmented By Aircraft Type (Commercial Aircraft, Regional Aircraft, General Aviation, Military Aircraft, Helicopter), By Tape Type (Specialty Pressure Sensitive Tape, Masking Pressure Sensitive Tape), By Adhesive Type (Silicone Pressure Sensitive Tape, Acrylic Pressure Sensitive Tape, Rubber Pressure Sensitive Tape), By Region & Competition, 2021-2031F**

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## **Abstracts**

The Global Aircraft Pressure Sensitive Tape Market is projected to expand from USD 1.03 Billion in 2025 to USD 1.61 Billion by 2031, registering a CAGR of 7.76%. These specialized adhesive materials, designed to bond firmly with light pressure, are extensively used for masking, insulation, wire harnessing, and surface protection in aerospace maintenance and assembly. The market's growth is fundamentally underpinned by increasing aircraft production rates driven by global fleet modernization efforts and the rising preference for lightweight composite materials, which require specific bonding agents instead of traditional mechanical fasteners.

A significant barrier that could hinder market progress is the volatility of raw material supply chains, which threatens to disrupt manufacturing timelines and increase procurement costs. The surge in manufacturing activity that drives the demand for tape is highlighted by recent industry data. According to the General Aviation Manufacturers Association, the value of airplane deliveries rose by 14.3 percent in 2024 to reach 26.4 billion dollars, emphasizing the intensified operational tempo that demands a reliable supply of consumables such as pressure sensitive tapes.

## Market Driver

The escalation in global commercial and regional aircraft deliveries serves as a primary catalyst for market growth, leading directly to higher consumption of surface protection and masking tapes during the assembly process. Manufacturers depend on these adhesive solutions for both the temporary shielding of sensitive airframe areas and permanent applications like wire harnessing and carpet fixation. This ramp-up in production is reflected in recent output data from major OEMs; according to Airbus, July 2024, in the 'Half-Year 2024 Results', the company delivered 323 commercial aircraft to 65 clients, indicating a sustained recovery in manufacturing rates that drives the steady procurement of adhesive consumables.

Simultaneously, the growth of Aerospace Maintenance, Repair, and Overhaul (MRO) activities significantly strengthens the demand for high-performance tapes used in electrical insulation, paint stripping, and composite repair. As operators prolong the service life of current fleets, the frequency of heavy maintenance checks rises, necessitating substantial quantities of pressure sensitive tapes for masking and component protection. This trend is corroborated by financial reports from leading MRO providers; according to Lufthansa Technik AG, March 2024, in the 'Annual Report 2023', the company saw revenue increase by 18 percent year-on-year to 6.5 billion Euro, reflecting heightened demand for maintenance services. Furthermore, robust industry order backlogs secure long-term material needs; according to Embraer, May 2024, in the '1Q24 Earnings Results', the firm order backlog stood at 21.1 billion dollars, underscoring future demand for aerospace manufacturing inputs.

## Market Challenge

Instability in raw material supply chains represents a significant obstacle to the Global Aircraft Pressure Sensitive Tape Market's expansion. This volatility causes unpredictability in the pricing and availability of essential chemical components needed for adhesive formulations, resulting in production delays and higher costs for tape manufacturers. When producers cannot maintain a consistent flow of these inputs, they fail to meet the strict Just-In-Time delivery standards of aerospace assembly lines, forcing original equipment manufacturers to slow down production schedules and reducing the immediate intake of consumables like insulation and masking tapes.

The negative impact of these supply chain bottlenecks on market demand is confirmed by recent industry statistics. According to the International Air Transport Association, in

2024, the global aviation sector faced a 30 percent shortfall in expected aircraft deliveries, totaling only 1,254 units, due to persistent supply chain disruptions. This deficit in completed airframes directly limits the addressable market for pressure sensitive tapes, as the volume required for wire harnessing and surface protection is intrinsically tied to the number of aircraft that successfully complete the assembly process.

## **Market Trends**

The replacement of mechanical fasteners with high-strength structural tapes is reshaping aerospace assembly by addressing critical requirements for corrosion prevention and aerodynamic efficiency. Unlike traditional rivets that generate stress concentration points, structural tapes ensure a continuous bond line that distributes load evenly while sealing surfaces against moisture intrusion. This shift is crucial for secondary structures and aircraft interiors where manufacturers focus on lightweight designs and smooth aesthetic finishes. The drive behind this adoption is evident in the financial recovery of major cabin system suppliers; according to Safran, February 2025, in the 'Full-year 2024 results', the company reported adjusted revenue of 27.3 billion Euro, a performance aided by the return to profitability of its Aircraft Interiors division, which relies heavily on these advanced bonding solutions.

Concurrently, the growth of Electrical Insulation Tapes is accelerating due to the development of More Electric Aircraft (MEA) systems that substitute hydraulic components with electrical alternatives. This electrification trend requires specialized adhesive tapes designed to withstand higher voltages and prevent arcing within increasingly dense wiring harnesses. Manufacturers are developing tapes with advanced substrates like polyimide to ensure reliability in these high-stress environments, which are essential for next-generation power distribution and avionics. This technological surge is reflected in the strong demand for advanced aerospace technologies; according to Honeywell, February 2025, in the 'Fourth Quarter and Full Year 2024 Results', the company announced full-year sales of 38.5 billion dollars, with its Aerospace Technologies segment achieving double-digit organic growth, highlighting the market's intense focus on upgrading electrical architectures.

## **Key Market Players**

3M Company

Berry Global, Inc.

Nitto Denko Corporation

Henkel AG & Co. KGaA

Intertape Polymer Group Inc.

Avery Dennison Corporation

H.B. Fuller Company

tesa SE

Shurtape Technologies, LLC

Scapa Group Plc

## Report Scope

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

### Aircraft Pressure Sensitive Tape Market, By Aircraft Type

Commercial Aircraft

Regional Aircraft

General Aviation

Military Aircraft

Helicopter

### Aircraft Pressure Sensitive Tape Market, By Tape Type

Specialty Pressure Sensitive Tape

Masking Pressure Sensitive Tape

Aircraft Pressure Sensitive Tape Market, By Adhesive Type

Silicone Pressure Sensitive Tape

Acrylic Pressure Sensitive Tape

Rubber Pressure Sensitive Tape

Aircraft Pressure Sensitive Tape 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 Aircraft Pressure Sensitive Tape Market.

## **Available Customizations:**

Global Aircraft Pressure Sensitive Tape 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).

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