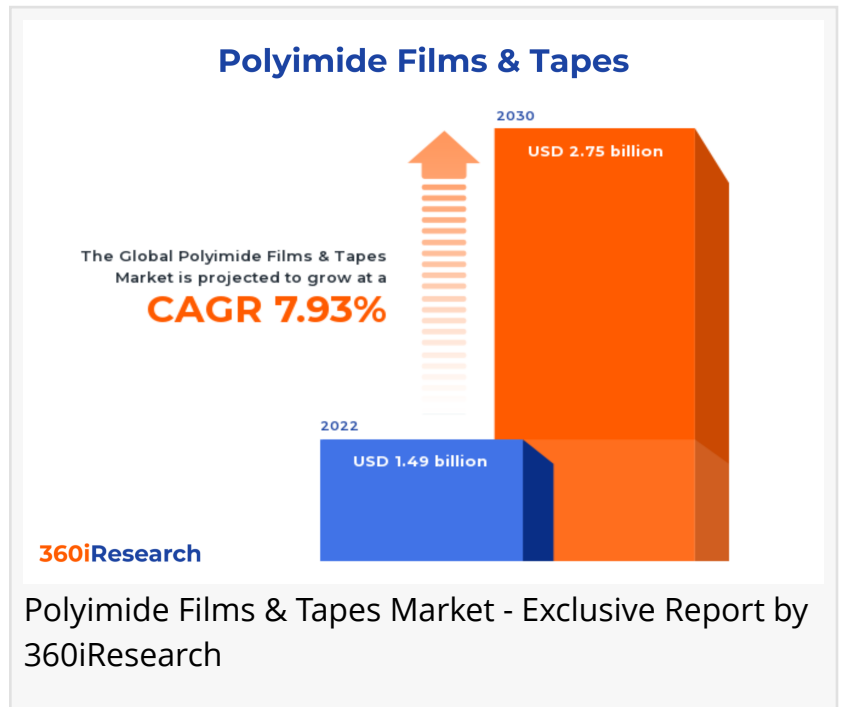


# Polyimide Films & Tapes Market worth \$2.75 billion by 2030- Exclusive Report by 360iResearch

*The Global Polyimide Films & Tapes Market to grow from USD 1.49 billion in 2022 to USD 2.75 billion by 2030, at a CAGR of 7.93%.*

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-- The "[Polyimide Films & Tapes Market](#) by Polyimide Type (Aliphatic, Aromatic, Semi-aromatic), Application (Flexible Printed Circuits, Motors or Generators, Pressure Sensitive Tapes), End-Use industry - Global Forecast 2023-2030" report has been added to 360iResearch.com's offering.



The Global Polyimide Films & Tapes Market to grow from USD 1.49 billion in 2022 to USD 2.75 billion by 2030, at a CAGR of 7.93%.

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Polyimide films & tapes are high-performance polymer materials known for their exceptional thermal stability, mechanical strength, and electrical insulation properties. Widely used in various industries, including electronics, aerospace, and automotive, these materials offer lightweight and durable solutions for applications such as flexible electronics, insulation, and advanced manufacturing processes. The increasing demand for lightweight, durable materials in electronics, aerospace, and automotive industries is driving the growth of the polyimide films & tapes market. Additionally, the expanding applications in flexible electronics and the surge in the renewable energy sector further propel the market. High production costs and complex manufacturing processes hinder the adoption of the polyimide films & tapes market. Continuous advancements in polyimide technology, offering enhanced functionalities and diversifying applications, along with the increasing focus on sustainability, are expected to create

opportunities for market growth.

**End-User:** High potential of polyimide films & tapes in the solar industry for manufacturing solar panels

Polyimide films & tapes are used in the aerospace industry for applications such as thermal insulation, electrical insulation, and flexible printed circuit boards. Their lightweight nature and ability to withstand high temperatures make them ideal for aircraft and spacecraft components. In the automotive sector, polyimide films & tapes are employed for wire and cable insulation for manufacturing components used in automotive environments. The electronics industry widely utilizes polyimide films & tapes for flexible printed circuits, insulating materials, and as a substrate for flexible displays. Their electrical insulation properties and flexibility make them essential in producing various electronic devices. Polyimide films & tapes are used in labeling applications, particularly in industries requiring durable, heat-resistant labels. The films' resistance to high temperatures and harsh environments ensures the longevity and readability of labels. In the medical field, polyimide films & tapes find applications in flexible medical devices, diagnostic equipment, and implantable devices. Their biocompatibility, flexibility, and resistance to sterilization processes contribute to their use in various medical applications. Polyimide films & tapes are utilized in the mining and drilling industry for applications such as insulation in high-temperature environments. The solar industry incorporates polyimide films & tapes in the manufacturing of flexible solar panels. The films & tape's flexibility and ability to withstand harsh environmental conditions make them valuable in solar applications, contributing to the development of lightweight and portable solar solutions.

**Application:** Rising demand for polyimide films & tapes in manufacturing wires & cables to withstand high temperatures

Polyimide films & tapes are used in flexible printed circuits (FPCs) due to their combination of flexibility, high-temperature resistance, and electrical insulation, which makes them ideal for creating lightweight and bendable circuits used in various electronic devices. In the electrical engineering sector, polyimide films serve as excellent insulation materials for motors or generators. Their thermal stability and electrical insulation properties contribute to enhanced performance and reliability in such high-temperature environments. Polyimide films & tapes are employed in the manufacturing of pressure-sensitive tapes. These tapes are utilized in applications where high-temperature resistance, chemical stability, and electrical insulation are crucial, such as in the aerospace and automotive industries for masking and insulation purposes. Polyimide films & tapes are utilized in the production of specialty fabricated products across various industries. This includes applications such as gaskets, seals, and insulating components where the unique properties of polyimides, such as thermal resistance and mechanical strength, are advantageous. The wiring & cabling manufacturers utilize polyimide films for insulation purposes. Their ability to withstand high temperatures makes them suitable for applications in aerospace, automotive, and other industries where reliable and durable wiring is essential.

**Polyimide Type:** Expanding usage of aromatic polyimide films & tapes in applications requiring

thermal and dimensional stability

Aromatic polyimides are characterized by aromatic rings in their molecular structure. These polyimides often exhibit high-temperature resistance, excellent mechanical properties, and superior chemical stability. Aromatic polyimide films & tapes find extensive use in applications requiring thermal and dimensional stability, such as flexible electronics, aerospace components, and high-performance insulation. Semi-aromatic polyimides contain a combination of aromatic and aliphatic components in their molecular structure. Semi-aromatic polyimide films & tapes are utilized in applications where a combination of mechanical strength, thermal stability, and flexibility is required. Aliphatic polyimides have an aliphatic structure in their molecular backbone. Aliphatic polyimide films & tapes find applications in areas such as flexible printed circuits and situations where bending or stretching is a consideration.

Regional Insights:

In the Americas, the polyimide films & tapes market benefits from a strong presence in the aerospace and automotive industries, leveraging polyimide's thermal stability and lightweight characteristics. The availability of native market vendors focusing on expanding the production of their polyimide films & tapes is expected to create a platform for market growth in the Americas. The Asia-Pacific region emerges as a key growth hub, driven by the burgeoning electronics industry in countries such as China, Japan, and South Korea, where polyimide finds extensive applications in flexible displays and electronic components. The constant increase in the production of automotive vehicles with increased government support benefits market growth in Asia-Pacific. EMEA witnesses a steady adoption of polyimide films & tapes in automotive and industrial sectors, focusing on high-performance materials.

FPNV Positioning Matrix:

The FPNV Positioning Matrix is essential for assessing the Polyimide Films & Tapes Market. It provides a comprehensive evaluation of vendors by examining key metrics within Business Strategy and Product Satisfaction, allowing users to make informed decisions based on their specific needs. This advanced analysis then organizes these vendors into four distinct quadrants, which represent varying levels of success: Forefront (F), Pathfinder (P), Niche (N), or Vital(V).

Market Share Analysis:

The Market Share Analysis offers an insightful look at the current state of vendors in the Polyimide Films & Tapes Market. By comparing vendor contributions to overall revenue, customer base, and other key metrics, we can give companies a greater understanding of their performance and what they are up against when competing for market share. The analysis also sheds light on just how competitive any given sector is about accumulation, fragmentation dominance, and amalgamation traits over the base year period studied.

Key Company Profiles:

The report delves into recent significant developments in the Polyimide Films & Tapes Market, highlighting leading vendors and their innovative profiles. These include 3M Company, AMD Converting & Label, American Polyfilm, Inc., Anabond Ltd., Arakawa Chemical Industries Ltd., Compagnie de Saint-Gobain S.A., COPPRROD Industries Pvt Ltd., Daest Coating India Pvt Ltd., DuPont de Nemours, Inc., FLEXcon Company, Inc., Kaneka Corporation, Kolon Industries, Inc., NADCO Tapes & Labels, Inc., Naikos Xiamen Adhesive Tape Co., Ltd, Nitto Denko Corporation, Poly Fluoro Ltd., Ruby Mica Co. Ltd., Scapa Group PLC by Mativ Holdings, Inc., Shanghai Metal Corporation, Shinmax Technology Ltd., Solvay S.A., Srivasavi Adhesive Tapes Pvt. Ltd., Suzhou Kying Industrial Materials Co. Ltd., Teraoka Seisakusho co., Ltd., and Ube Industries Ltd..

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### Market Segmentation & Coverage:

This research report categorizes the Polyimide Films & Tapes Market in order to forecast the revenues and analyze trends in each of following sub-markets:

Based on Polyimide Type, market is studied across Aliphatic, Aromatic, and Semi-aromatic. The Aromatic is projected to witness significant market share during forecast period.

Based on Application, market is studied across Flexible Printed Circuits, Motors or Generators, Pressure Sensitive Tapes, Specialty Fabricated Products, and Wires & Cables. The Pressure Sensitive Tapes is projected to witness significant market share during forecast period.

Based on End-Use industry, market is studied across Aerospace, Automotive, Electronics, Labeling, Medical, Mining & Drilling, and Solar. The Aerospace is projected to witness significant market share during forecast period.

Based on Region, market is studied across Americas, Asia-Pacific, and Europe, Middle East & Africa. The Americas is further studied across Argentina, Brazil, Canada, Mexico, and United States. The United States is further studied across California, Florida, Illinois, New York, Ohio, Pennsylvania, and Texas. The Asia-Pacific is further studied across Australia, China, India, Indonesia, Japan, Malaysia, Philippines, Singapore, South Korea, Taiwan, Thailand, and Vietnam. The Europe, Middle East & Africa is further studied across Denmark, Egypt, Finland, France, Germany, Israel, Italy, Netherlands, Nigeria, Norway, Poland, Qatar, Russia, Saudi Arabia, South Africa, Spain, Sweden, Switzerland, Turkey, United Arab Emirates, and United Kingdom. The Asia-Pacific commanded largest market share of 38.78% in 2022, followed by Europe, Middle East & Africa.

### Key Topics Covered:

#### 1. Preface

2. Research Methodology
3. Executive Summary
4. Market Overview
5. Market Insights
6. Polyimide Films & Tapes Market, by Polyimide Type
7. Polyimide Films & Tapes Market, by Application
8. Polyimide Films & Tapes Market, by End-Use industry
9. Americas Polyimide Films & Tapes Market
10. Asia-Pacific Polyimide Films & Tapes Market
11. Europe, Middle East & Africa Polyimide Films & Tapes Market
12. Competitive Landscape
13. Competitive Portfolio
14. Appendix

The report provides insights on the following pointers:

1. Market Penetration: Provides comprehensive information on the market offered by the key players
2. Market Development: Provides in-depth information about lucrative emerging markets and analyzes penetration across mature segments of the markets
3. Market Diversification: Provides detailed information about new product launches, untapped geographies, recent developments, and investments
4. Competitive Assessment & Intelligence: Provides an exhaustive assessment of market shares, strategies, products, certification, regulatory approvals, patent landscape, and manufacturing capabilities of the leading players
5. Product Development & Innovation: Provides intelligent insights on future technologies, R&D activities, and breakthrough product developments

The report answers questions such as:

1. What is the market size and forecast of the Polyimide Films & Tapes Market?
2. Which are the products/segments/applications/areas to invest in over the forecast period in the Polyimide Films & Tapes Market?
3. What is the competitive strategic window for opportunities in the Polyimide Films & Tapes Market?
4. What are the technology trends and regulatory frameworks in the Polyimide Films & Tapes Market?
5. What is the market share of the leading vendors in the Polyimide Films & Tapes Market?
6. What modes and strategic moves are considered suitable for entering the Polyimide Films & Tapes Market?

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