

Polyimide Film Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2023-2028

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Abstracts

The global polyimide film market size reached US\$ 2.1 Billion in 2022. Looking forward, IMARC Group expects the market to reach US\$ 3.0 Billion by 2028, exhibiting a growth rate (CAGR) of 6.12% during 2022-2028. The growing awareness about the benefits of polyimide films, rising demand for cardiovascular catheters, and increasing adoption of hybrid and electric vehicles (EVs) represent some of the key factors driving the market.

Polyimide film is a lightweight and flexible polymer-based material that has high heat and chemical resistant properties. It can be engineered and converted to meet physical requirements for mechanical, electrical, temperature, and chemical properties. It exhibits superior dimensional stability and an enhanced balance of chemical, physical, and electrical properties at a wide temperature range. It assists in manufacturing medical tubing, such as vascular catheters, due to its burst pressure resistance, chemical resistance, and high flexibility. It is utilized as an isolation layer in digital isolators that provide various benefits over conventional optocouplers, such as high speed, low power consumption, high reliability, small size, high integration, and ease of use. It is employed as an insulating material to produce semiconductors and flexible printed circuit boards (PCBs). It is also used as a dielectric substrate to manufacture flexible solar cells with maximum yield and efficiency and high thermal stability, toughness, and flexibility. As a result, polyimide film finds applications in the aerospace, automotive, electronics, and labelling industries across the globe.

Polyimide Film Market Trends:

At present, there is a rise in the demand for polyimide films on account of the growing demand for lightweight, compact, and energy-efficient electronic products. This, along with the increasing awareness about the benefits of polyimide films, such as flexibility, transparency, biocompatibility, low friction, tight tolerances, and high tensile strength,

represents one of the key factors supporting the growth of the market. Apart from this, the rising demand for smartphones, TVs, wires, cables, portable computing devices, gaming systems, and other personal electronic devices is strengthening the growth of the market. In addition, polyimide films possess strong electromechanical capabilities that enable their usage in applications involving high temperatures and challenging environmental factors. In line with this, the growing demand for cardiovascular catheters, push rings, marker bands, angioplasty, neurological devices, and drug delivery systems in the healthcare industry is offering a favorable market outlook. Besides this, the increasing adoption of hybrid and electric vehicles (EVs) due to the rising concern about greenhouse gas emissions is propelling the growth of the market. Moreover, key players are rapidly digitalizing their businesses to achieve end-to-end integration of their operations, which is contributing to the growth of the market.

Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global polyimide film market report, along with forecasts at the global, regional and country level from 2023-2028. Our report has categorized the market based on application, distribution channel and end use.

Application Insights:

- Flexible Printed Circuit
- Wire and Cable
- Pressure-Sensitive Tape
- Specialty Fabricated Product
- Motor/Generator
- Others

The report has provided a detailed breakup and analysis of the polyimide film market based on the application. This includes flexible printed circuit, wire and cable, pressure-sensitive tape, specialty fabricated product, motor/generator, and others. According to the report, flexible printed circuit represented the largest segment.

Distribution Channel Insights:

- Specialty Stores
- Online Stores
- Others

A detailed breakup and analysis of the polyimide film market based on the distribution channel has also been provided in the report. This includes specialty stores, online stores, and others.

End Use Insights:

- Electronics
- Aerospace
- Automotive
- Labelling
- Others

A detailed breakup and analysis of the polyimide film market based on the end use has also been provided in the report. This includes electronics, aerospace, automotive, labelling, and others. According to the report, electronics represented the largest segment.

Regional Insights:

- North America
 - United States
 - Canada
- Asia-Pacific
 - China
 - Japan
 - India
 - South Korea
 - Australia
 - Indonesia
 - Others
- Europe
 - Germany
 - France
 - United Kingdom
 - Italy
 - Spain
 - Russia
 - Others
- Latin America

Brazil

Mexico

Others

Middle East and Africa

The report has also provided a comprehensive analysis of all the major regional markets, which include North America (the United States and Canada); Europe (Germany, France, the United Kingdom, Italy, Spain, Russia, and others); Asia Pacific (China, Japan, India, South Korea, Australia, Indonesia, and others); Latin America (Brazil, Mexico, and others); and the Middle East and Africa. According to the report, Asia Pacific (China, Japan, India, South Korea, Australia, Indonesia, and others) was the largest market for polyimide film. Some of the factors driving the Asia Pacific polyimide film market included the growing adoption of electronic products, thriving automotive industry, increasing utilization in aircraft, etc.

Competitive Landscape:

The report has also provided a comprehensive analysis of the competitive landscape in the global polyimide film market. Competitive analysis such as market structure, market share by key players, player positioning, top winning strategies, competitive dashboard, and company evaluation quadrant has been covered in the report. Also, detailed profiles of all major companies have been provided. Some of the companies covered include Arakawa Chemicals Industries Ltd, Compagnie de Saint-Gobain S.A., Flexcon Company Inc., I.S.T Corporation, Kaneka Corporation, Kolon Industries Inc., Shinmax Technology Ltd, Taimide Tech Inc., Toray Industries Inc, UBE Industries Limited, etc. Kindly note that this only represents a partial list of companies, and the complete list has been provided in the report.

Key Questions Answered in This Report

1. What was the size of the global polyimide film market in 2022?
2. What is the expected growth rate of the global polyimide film market during 2023-2028?
3. What are the key factors driving the global polyimide film market?
4. What has been the impact of COVID-19 on the global polyimide film market?
5. What is the breakup of the global polyimide film market based on the application?
6. What is the breakup of the global polyimide film market based on the end use?
7. What are the key regions in the global polyimide film market?
8. Who are the key players/companies in the global polyimide film market?

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