

Polyimide Coating Market By Type (Thermoset, Thermoplastic), By Application (Electronic parts, Tubing, Electrical insulation, Fiber optic cables, Others): Global Opportunity Analysis and Industry Forecast, 2021-2031

Market Report | 2022-09-01 | 241 pages | Allied Market Research

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Report description:

The global polyimide coating market was valued at \$1.2 billion in 2021, and is projected to reach \$2.2 billion by 2031, growing at a CAGR of 6.7% from 2022 to 2031.

Polyimide is a class of high-performance polymers with good dielectric properties and high thermal stability at both high and low temperatures. The increase in use of polyimide coatings in end-use sectors such as electronics is anticipated to propel market expansion.

Compact electronic gadgets, such as pocket computers, watches, circuit boards, and digital cameras, utilize polyimide coatings. In the electronics industry, polyimide coatings are in high demand due to their thermal stability, outstanding mechanical and electrical capabilities, and chemical resistance. In a laptop, for instance, the cable that links the main logic board to the display (which must bend each time the laptop is opened and closed) often consists of a polyimide base and a copper conductor. In this business, the demand for polyimide coatings is mostly attributable to their high-temperature qualities, low dielectric constants, resistance to solvents, and long-term stability.

Aerospace and defense industries can also benefit from polyimide powder coatings with great performance. This is due to the fact that polyimide-coated items typically possess exceptional thermal characteristics. The polyimide coating is also applied to optical fibers because it renders them resistant to high temperatures. The increase in demand for optical fibers in the aerospace and military industries has led to the expansion of the polyimide coatings market.

The polyimide coatings market is segmented into type, application, and region. On the basis of type, the market is bifurcated into thermoset and thermoplastic. On the basis of application, it is categorized into electronic parts, tubing, electrical insulation, fiber optic cables and others. Region wise, the market is studied across North America, Europe, Asia-Pacific, and LAMEA.

In addition, the report covers profiles of key industry participants such as DuPont, ELANTAS Beck India Ltd, FLEXcon company, Inc., I.S.T Corporation, KANIKA CORPORATION, Mitsui chemicals, Inc, Saint-Gobain, SOLVER POLYIMIDE, Toray Industries, Inc, UBE

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IMPACT OF COVID-19 ON THE GLOBAL POLYIMIDE COATINGS MARKET

-COVID-19 has spread across the globe and effected almost all aspects of life.

-Some major economies that have suffered severely from the COVID-19 crisis include Germany, France, Italy, North America, India and China.

-Due to lockdown and other restrictions imposed by governments to prevent the spread of infections, there was a shortage of raw supplies as well as manpower, further harming the supply chain for the market.

-The continuous health crisis has increased the supply-demand mismatch, thereby impeding the polyimide coatings supply chain worldwide. According to an article published by the Economic Times, the exports of electronic products such as wires and cables and semiconductors have decreased as a result of supply chain problems.

-In addition, a number of electronic companies have either ceased operations or reduced their employees due to the potential of infection. In addition, more than one hundred nations have sealed their international borders for transportation and halted non-essential trade activities, which has contributed to a decline in the demand for polyimide coatings in a number of end-use industries.

-Nevertheless, the polyimide coatings business is anticipated to recover fast in the aftermath of COVID-19 due to its greater reliance on the electronics industry. In addition, sales of electronic devices such as wires and cables, televisions, and laptops have surged where polyimide coatings are extensively employed for insulating purposes. It is anticipated that this will improve the performance of the polyimide coatings market after COVID-19.

Key Benefits For Stakeholders

-This report provides a quantitative analysis of the market segments, current trends, estimations, and dynamics of the polyimide coating market analysis from 2021 to 2031 to identify the prevailing polyimide coating market opportunities.

-The market research is offered along with information related to key drivers, restraints, and opportunities.

-Porter's five forces analysis highlights the potency of buyers and suppliers to enable stakeholders make profit-oriented business decisions and strengthen their supplier-buyer network.

-In-depth analysis of the polyimide coating market segmentation assists to determine the prevailing market opportunities.

-Major countries in each region are mapped according to their revenue contribution to the global market.

-Market player positioning facilitates benchmarking and provides a clear understanding of the present position of the market players.

-The report includes the analysis of the regional as well as global polyimide coating market trends, key players, market segments, application areas, and market growth strategies.

Key Market Segments

By Type

- Thermoplastic

- Thermoset

By Application

- Others

- Electronic parts

- Tubing

- Electrical insulation

- Fiber optic cables

By Region

- North America

- U.S.

- Canada

- Mexico

- Europe

- Germany

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- France
- Italy
- Spain
- UK
- Rest Of Europe
- Asia-Pacific
- China
- Japan
- India
- South Korea
- Australia
- Rest Of Asia-Pacific
- LAMEA
- Brazil
- Saudi Arabia
- South Africa
- Rest Of LAMEA
- Key Market Players
- DuPont de Nemours, Inc.
- ELANTAS Beck India Ltd
- FLEXcon Company, Inc.
- I.S.T Corporation
- KANEKA CORPORATION
- MITSUI CHEMICALS, INC.
- Saint-Gobain
- SOLVER POLYIMIDE
- Toray Industries, Inc.
- UBE Corporation

Table of Contents:

CHAPTER 1:INTRODUCTION

- 1.1.Report description
- 1.2.Key market segments
- 1.3.Key benefits to the stakeholders
- 1.4.Research Methodology
 - 1.4.1.Secondary research
 - 1.4.2.Primary research
 - 1.4.3.Analyst tools and models

CHAPTER 2:EXECUTIVE SUMMARY

- 2.1.Key findings of the study
- 2.2.CXO Perspective

CHAPTER 3:MARKET OVERVIEW

- 3.1.Market definition and scope
- 3.2.Key findings
 - 3.2.1.Top investment pockets
- 3.3.Porter's five forces analysis
- 3.4.Top player positioning

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- 3.5. Market dynamics
 - 3.5.1. Drivers
 - 3.5.2. Restraints
 - 3.5.3. Opportunities
- 3.6. COVID-19 Impact Analysis on the market
- 3.7. Pricing Analysis
- 3.8. Regulatory Guidelines
- 3.9. Value Chain Analysis
- 3.10. Patent Landscape
- 3.11. Market Share Analysis

CHAPTER 4: POLYIMIDE COATING MARKET, BY TYPE

- 4.1 Overview
 - 4.1.1 Market size and forecast
- 4.2 Thermoset
 - 4.2.1 Key market trends, growth factors and opportunities
 - 4.2.2 Market size and forecast, by region
 - 4.2.3 Market analysis by country
- 4.3 Thermoplastic
 - 4.3.1 Key market trends, growth factors and opportunities
 - 4.3.2 Market size and forecast, by region
 - 4.3.3 Market analysis by country

CHAPTER 5: POLYIMIDE COATING MARKET, BY APPLICATION

- 5.1 Overview
 - 5.1.1 Market size and forecast
- 5.2 Electronic parts
 - 5.2.1 Key market trends, growth factors and opportunities
 - 5.2.2 Market size and forecast, by region
 - 5.2.3 Market analysis by country
- 5.3 Tubing
 - 5.3.1 Key market trends, growth factors and opportunities
 - 5.3.2 Market size and forecast, by region
 - 5.3.3 Market analysis by country
- 5.4 Electrical insulation
 - 5.4.1 Key market trends, growth factors and opportunities
 - 5.4.2 Market size and forecast, by region
 - 5.4.3 Market analysis by country
- 5.5 Fiber optic cables
 - 5.5.1 Key market trends, growth factors and opportunities
 - 5.5.2 Market size and forecast, by region
 - 5.5.3 Market analysis by country
- 5.6 Others
 - 5.6.1 Key market trends, growth factors and opportunities
 - 5.6.2 Market size and forecast, by region
 - 5.6.3 Market analysis by country

CHAPTER 6: POLYIMIDE COATING MARKET, BY REGION

- 6.1 Overview
 - 6.1.1 Market size and forecast

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- 6.2 North America
 - 6.2.1 Key trends and opportunities
 - 6.2.2 North America Market size and forecast, by Type
 - 6.2.3 North America Market size and forecast, by Application
 - 6.2.4 North America Market size and forecast, by country
 - 6.2.4.1 U.S.
 - 6.2.4.1.1 Market size and forecast, by Type
 - 6.2.4.1.2 Market size and forecast, by Application
 - 6.2.4.2 Canada
 - 6.2.4.2.1 Market size and forecast, by Type
 - 6.2.4.2.2 Market size and forecast, by Application
 - 6.2.4.3 Mexico
 - 6.2.4.3.1 Market size and forecast, by Type
 - 6.2.4.3.2 Market size and forecast, by Application
- 6.3 Europe
 - 6.3.1 Key trends and opportunities
 - 6.3.2 Europe Market size and forecast, by Type
 - 6.3.3 Europe Market size and forecast, by Application
 - 6.3.4 Europe Market size and forecast, by country
 - 6.3.4.1 Germany
 - 6.3.4.1.1 Market size and forecast, by Type
 - 6.3.4.1.2 Market size and forecast, by Application
 - 6.3.4.2 France
 - 6.3.4.2.1 Market size and forecast, by Type
 - 6.3.4.2.2 Market size and forecast, by Application
 - 6.3.4.3 Italy
 - 6.3.4.3.1 Market size and forecast, by Type
 - 6.3.4.3.2 Market size and forecast, by Application
 - 6.3.4.4 Spain
 - 6.3.4.4.1 Market size and forecast, by Type
 - 6.3.4.4.2 Market size and forecast, by Application
 - 6.3.4.5 UK
 - 6.3.4.5.1 Market size and forecast, by Type
 - 6.3.4.5.2 Market size and forecast, by Application
 - 6.3.4.6 Rest of Europe
 - 6.3.4.6.1 Market size and forecast, by Type
 - 6.3.4.6.2 Market size and forecast, by Application
- 6.4 Asia-Pacific
 - 6.4.1 Key trends and opportunities
 - 6.4.2 Asia-Pacific Market size and forecast, by Type
 - 6.4.3 Asia-Pacific Market size and forecast, by Application
 - 6.4.4 Asia-Pacific Market size and forecast, by country
 - 6.4.4.1 China
 - 6.4.4.1.1 Market size and forecast, by Type
 - 6.4.4.1.2 Market size and forecast, by Application
 - 6.4.4.2 Japan
 - 6.4.4.2.1 Market size and forecast, by Type

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- 6.4.4.2.2 Market size and forecast, by Application
- 6.4.4.3 India
 - 6.4.4.3.1 Market size and forecast, by Type
 - 6.4.4.3.2 Market size and forecast, by Application
- 6.4.4.4 South Korea
 - 6.4.4.4.1 Market size and forecast, by Type
 - 6.4.4.4.2 Market size and forecast, by Application
- 6.4.4.5 Australia
 - 6.4.4.5.1 Market size and forecast, by Type
 - 6.4.4.5.2 Market size and forecast, by Application
- 6.4.4.6 Rest of Asia-Pacific
 - 6.4.4.6.1 Market size and forecast, by Type
 - 6.4.4.6.2 Market size and forecast, by Application
- 6.5 LAMEA
 - 6.5.1 Key trends and opportunities
 - 6.5.2 LAMEA Market size and forecast, by Type
 - 6.5.3 LAMEA Market size and forecast, by Application
 - 6.5.4 LAMEA Market size and forecast, by country
 - 6.5.4.1 Brazil
 - 6.5.4.1.1 Market size and forecast, by Type
 - 6.5.4.1.2 Market size and forecast, by Application
 - 6.5.4.2 Saudi Arabia
 - 6.5.4.2.1 Market size and forecast, by Type
 - 6.5.4.2.2 Market size and forecast, by Application
 - 6.5.4.3 South Africa
 - 6.5.4.3.1 Market size and forecast, by Type
 - 6.5.4.3.2 Market size and forecast, by Application
 - 6.5.4.4 Rest of LAMEA
 - 6.5.4.4.1 Market size and forecast, by Type
 - 6.5.4.4.2 Market size and forecast, by Application

CHAPTER 7: COMPANY LANDSCAPE

- 7.1. Introduction
- 7.2. Top winning strategies
- 7.3. Product Mapping of Top 10 Player
- 7.4. Competitive Dashboard
- 7.5. Competitive Heatmap
- 7.6. Key developments

CHAPTER 8: COMPANY PROFILES

- 8.1 DuPont de Nemours, Inc.
 - 8.1.1 Company overview
 - 8.1.2 Company snapshot
 - 8.1.3 Operating business segments
 - 8.1.4 Product portfolio
 - 8.1.5 Business performance
 - 8.1.6 Key strategic moves and developments
- 8.2 ELANTAS Beck India Ltd
 - 8.2.1 Company overview

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- 8.2.2 Company snapshot
- 8.2.3 Operating business segments
- 8.2.4 Product portfolio
- 8.2.5 Business performance
- 8.2.6 Key strategic moves and developments
- 8.3 FLEXcon Company, Inc.
- 8.3.1 Company overview
- 8.3.2 Company snapshot
- 8.3.3 Operating business segments
- 8.3.4 Product portfolio
- 8.3.5 Business performance
- 8.3.6 Key strategic moves and developments
- 8.4 I.S.T Corporation
- 8.4.1 Company overview
- 8.4.2 Company snapshot
- 8.4.3 Operating business segments
- 8.4.4 Product portfolio
- 8.4.5 Business performance
- 8.4.6 Key strategic moves and developments
- 8.5 KANEKA CORPORATION
- 8.5.1 Company overview
- 8.5.2 Company snapshot
- 8.5.3 Operating business segments
- 8.5.4 Product portfolio
- 8.5.5 Business performance
- 8.5.6 Key strategic moves and developments
- 8.6 MITSUI CHEMICALS, INC.
- 8.6.1 Company overview
- 8.6.2 Company snapshot
- 8.6.3 Operating business segments
- 8.6.4 Product portfolio
- 8.6.5 Business performance
- 8.6.6 Key strategic moves and developments
- 8.7 Saint-Gobain
- 8.7.1 Company overview
- 8.7.2 Company snapshot
- 8.7.3 Operating business segments
- 8.7.4 Product portfolio
- 8.7.5 Business performance
- 8.7.6 Key strategic moves and developments
- 8.8 SOLVER POLYIMIDE
- 8.8.1 Company overview
- 8.8.2 Company snapshot
- 8.8.3 Operating business segments
- 8.8.4 Product portfolio
- 8.8.5 Business performance
- 8.8.6 Key strategic moves and developments

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- 8.9 Toray Industries, Inc.
 - 8.9.1 Company overview
 - 8.9.2 Company snapshot
 - 8.9.3 Operating business segments
 - 8.9.4 Product portfolio
 - 8.9.5 Business performance
 - 8.9.6 Key strategic moves and developments
- 8.10 UBE Corporation
 - 8.10.1 Company overview
 - 8.10.2 Company snapshot
 - 8.10.3 Operating business segments
 - 8.10.4 Product portfolio
 - 8.10.5 Business performance
 - 8.10.6 Key strategic moves and developments

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