

# **Thermoplastic Polyimides Market Size, Share & Trends Analysis Report By Product (Unfilled, Glass-filled, Carbon-filled), By Application (Electronics & Electrical, Aerospace & Defense, Automotive, Industrial & Machinery), By Region, and Segment Forecasts, 2025 - 2033**

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## **Abstracts**

The global thermoplastic polyimides market size was estimated at USD 624.6 million in 2024 and is projected to reach USD 1,364.7 million by 2033, growing at a CAGR of 9.2% from 2025 to 2033. A growing driver is the rising use of thermoplastic polyimides in advanced manufacturing, where their dimensional stability supports tighter tolerances in high-precision components.

This improves production efficiency and reduces defect rates, encouraging OEMs to specify TPis in more mission-critical applications. Demand for thermoplastic polyimides is shifting from niche aerospace uses to broader adoption in electric vehicles and high-reliability electronics.

Manufacturers are increasingly specifying TPis for electric powertrain insulation, connector housings, and compact thermal management components. This reorientation is lifting reported market forecasts and accelerating capacity investments across suppliers.

### **Global Thermoplastic Polyimides Market Report Segmentation**

This report forecasts revenue growth at the global, regional, and country levels and provides an analysis of the latest industry trends in each of the sub-segments from 2021

to 2033. For this study, Grand View Research has segmented the global thermoplastic polyimides market report on the basis of product, application, and region:

Product Outlook (Volume, Tons; Revenue, USD Million, 2021 - 2033)

Unfilled

Glass-filled

Carbon-filled

Other Products

Application Outlook (Volume, Tons; Revenue, USD Million, 2021 - 2033)

Electronics & Electrical

Aerospace & Defense

Automotive

Industrial & Machinery

Other Applications

Regional Outlook (Volume, Tons; Revenue, USD Million, 2021 - 2033)

North America

U.S.

Canada

Mexico

Europe

Germany

UK

France

Italy

Spain

Asia Pacific

China

India

Japan

South Korea

Latin America

Brazil

Argentina

Middle East & Africa

Saudi Arabia

South Africa

UAE

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