

# Global 3D Printing Polymer Filament Market 2025 by Manufacturers, Regions, Type and Application, Forecast to 2031

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## Abstracts

According to our (Global Info Research) latest study, the global 3D Printing Polymer Filament market size was valued at US\$ 393 million in 2024 and is forecast to a readjusted size of USD 1431 million by 2031 with a CAGR of 20.5% during review period.

In this report, we will assess the current U.S. tariff framework alongside international policy adaptations, analyzing their effects on competitive market structures, regional economic dynamics, and supply chain resilience.

3D printing polymer filament refers to a type of material used in 3D printing, specifically in fused deposition modeling (FDM) printers. This filament is a long, thin strand of plastic that is fed into the 3D printer and heated until it melts. The melted filament is then extruded through a nozzle and deposited layer by layer to build up a 3D object. Common 3D printing polymer filaments include PP, TPU, PC, PLA, Nylon and other materials. There are various types of polymer filaments, each with distinct properties and applications. Each type of polymer filament has its own set of properties, making it suitable for different applications.

The 3D printing filament market has experienced significant growth and is expected to continue expanding. This growth is fueled by the increasing adoption of 3D printing technology in industries such as automotive, aerospace, healthcare, and consumer goods, as well as in educational and research institutions. Filaments are used in various industries such as automotive (for prototypes and parts), aerospace (for lightweight components), healthcare (for custom prosthetics and medical models), and consumer goods (for customized products and models). Development of new filament materials,

including high-performance polymers and composites, to meet specific industry needs. Growing focus on eco-friendly and biodegradable filaments, driven by environmental concerns and regulatory pressures. Increasing demand for customized and personalized products, leading to higher usage of 3D printing technology. High-quality filaments and advanced materials can be expensive, which may limit their adoption in some sectors.

This report is a detailed and comprehensive analysis for global 3D Printing Polymer Filament market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

### **Key Features:**

Global 3D Printing Polymer Filament market size and forecasts, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/Kg), 2020-2031

Global 3D Printing Polymer Filament market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/Kg), 2020-2031

Global 3D Printing Polymer Filament market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/Kg), 2020-2031

Global 3D Printing Polymer Filament market shares of main players, shipments in revenue (\$ Million), sales quantity (Tons), and ASP (US\$/Kg), 2020-2025

### **The Primary Objectives in This Report Are:**

- To determine the size of the total market opportunity of global and key countries
- To assess the growth potential for 3D Printing Polymer Filament
- To forecast future growth in each product and end-use market
- To assess competitive factors affecting the marketplace

This report profiles key players in the global 3D Printing Polymer Filament market based

on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Stratasys, BASF, Asahi-Kasei, Terrafilm, Wanhua Chemical Group, Shanghai Research Institute of Materials, Village Plastics, Polymaker, eSUN, Fillamentum, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

## **Market Segmentation**

3D Printing Polymer Filament market is split by Type and by Application. For the period 2020-2031, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

### **Market segment by Type**

PP Filaments

TPU Filaments

PC Filaments

PLA Filaments

Nylon Filaments

### **Market segment by Application**

Medical

Automotive

Consumer Electronics

Aerospace

Others

## Major players covered

Stratasys

BASF

Asahi-Kasei

Terrafillum

Wanhua Chemical Group

Shanghai Research Institute of Materials

Village Plastics

Polymaker

eSUN

Fillamentum

Precision 3D Filament

Zortrax

## Market segment by region, regional analysis covers

North America (United States, Canada, and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

## **The content of the study subjects, includes a total of 15 chapters:**

*Global 3D Printing Polymer Filament Market 2025 by Manufacturers, Regions, Type and Application, Forecast to 2...*

Chapter 1, to describe 3D Printing Polymer Filament product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of 3D Printing Polymer Filament, with price, sales quantity, revenue, and global market share of 3D Printing Polymer Filament from 2020 to 2025.

Chapter 3, the 3D Printing Polymer Filament competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the 3D Printing Polymer Filament breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2020 to 2031.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2020 to 2031.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value, and market share for key countries in the world, from 2020 to 2025. and 3D Printing Polymer Filament market forecast, by regions, by Type, and by Application, with sales and revenue, from 2026 to 2031.

Chapter 12, market dynamics, drivers, restraints, trends, and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of 3D Printing Polymer Filament.

Chapter 14 and 15, to describe 3D Printing Polymer Filament sales channel, distributors, customers, research findings and conclusion.

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