

3D Printing Filament Market By Material Type (Metals, Plastics, Alloys, Ceramics) , By End-Use Industry (Automotive, Aerospace and Aviation, Household Equipment, Petrochemical, Medical, Electronics, Others) : Global Opportunity Analysis and Industry Forecast, 2024-2031

<https://marketpublishers.com/r/3C5DC467A370EN.html>

Date: July 2024

Pages: 350

Price: US\$ 2,655.00 (Single User License)

ID: 3C5DC467A370EN

Abstracts

3D Printing Filament Market

The 3D printing filament market was valued at \$0.9 billion in 2023 and is projected to reach \$2.3 billion by 2031, growing at a CAGR of 12.8% from 2024 to 2031.

3D printing filament is a form of thermoplastic material utilized in 3D printers as a feedstock for fused deposition modelling technology. It is the most used filament in printers due to its affordability, ease of use, and non-toxic properties. There are different types of filaments, some of which include acetonitrile butadiene styrene, polylactic acid, high impact polystyrene, nylon, polyvinyl alcohol, thermoplastic polyurethane, and acrylonitrile styrene acrylate. The filament is utilized for diverse applications, including prototyping, manufacturing, medical devices, and consumer goods.

Increase in the utility of 3D printers across diverse sectors such as automotive, healthcare, aerospace, and consumer goods, is a major driver of the 3D printing filament market. In addition, advancements in technology have led to improvements in the efficacy of the filament, offering enhanced durability, and better quality during the printing process. This is further augmenting the market growth. With growing adoption of 3D printers and rising environmental concerns, the usage of eco-friendly 3D printing

filaments is trending. Such eco-friendly filaments include recycled polyethylene terephthalate and bio-based or biodegradable filaments such as those derived from cassava, cornstarch, and sugar beets.

However, several 3D filaments such as polylactic acid and acrylonitrile butadiene styrene lack the intense mechanical strength required in robust industrial applications. This limits the adoption of filaments and hampers the growth of the 3D printing filament market. Moreover, the utility of 3D printing filaments is subject to stringent government regulations in different regions, which presents challenges for the expansion of the market across various sectors. For instance, the Federal Food, Drug, and Cosmetic Act in the U.S. strictly monitors the materials that involve close contact with drugs, food, or cosmetics. Hence, the usage of 3D printed objects for these substances depends upon compliance with the guidelines established by the Food and Drug Administration.

Segment Review

The 3D printing filament market is segmented into material type, end-use industry, and region. On the basis of material type, the market is divided into metals, plastics, alloys, and ceramics. Depending on end-use industry, it is classified into automotive, aerospace & aviation, household equipment, petrochemical, medical, electronics, and others. Region wise, it is analyzed across North America, Europe, Asia-Pacific, and LAMEA.

Key Findings

On the basis of material type, the plastics segment is expected to maintain its lead position during the forecast period.

Depending on end-use industry, the aerospace segment is anticipated to acquire a high stake in the market during the forecast period.

Region wise, North America is projected to be the highest revenue generator by 2031.

Competition Analysis

The leading players operating in the global 3D printing filament market include American Filament, TREED FILAMENTS, EUSDFUEL, Shenzhen ECO Industrial Co.,

Ltd., Eureka Technologies Inc., Atomic Filament, Precision 3D Filament, Spectrum Filaments, AlmightyFila, and DUCHOFILLA. These major players have adopted various key development strategies such as business expansion, new product launches, and partnerships, to strengthen their foothold in the competitive market.

Additional benefits you will get with this purchase are:

Quarterly Update and* (only available with a corporate license, on listed price)

5 additional Company Profile of client Choice pre- or Post-purchase, as a free update.

Free Upcoming Version on the Purchase of Five and Enterprise User License.

16 analyst hours of support* (post-purchase, if you find additional data requirements upon review of the report, you may receive support amounting to 16 analyst hours to solve questions, and post-sale queries)

15% Free Customization* (in case the scope or segment of the report does not match your requirements, 15% is equivalent to 3 working days of free work, applicable once)

Free data Pack on the Five and Enterprise User License. (Excel version of the report)

Free Updated report if the report is 6-12 months old or older.

24-hour priority response*

Free Industry updates and white papers.

Possible Customization with this report (with additional cost and timeline, please talk to the sales executive to know more)

Investment Opportunities

Upcoming/New Entrant by Regions

Technology Trend Analysis

Patient/epidemiology data at country, region, global level

Regulatory Guidelines

Strategic Recommendations

Additional company profiles with specific client's interest

Additional country or region analysis- market size and forecast

Criss-cross segment analysis- market size and forecast

Historic market data

Import Export Analysis/Data

SWOT Analysis

Volume Market Size and Forecast

Key Market Segments

By Material Type

Metals

Plastics

Alloys

Ceramics

By End-Use Industry

Automotive

Aerospace and Aviation

Household Equipment

Petrochemical

Medical

Electronics

Others

By Region

North America

U.S.

Canada

Mexico

Europe

Germany

UK

France

Spain

Italy

Rest of Europe

Asia-Pacific

China

India

Japan

South Korea

Australia

Rest of Asia-Pacific

LAMEA

Brazil

Saudi Arabia

South Africa

Rest of LAMEA

Key Market Players

American Filament

TREED FILAMENTS

EU3dfuel

Shenzhen ECO Industrial Co.,Ltd.

Eureka Technologies Inc.

Atomic Filament

Precision 3D Filament

Spectrum Filaments

AlmightyFila

DUCHOFILLA,

Contents

CHAPTER 1: INTRODUCTION

- 1.1. Report Description
- 1.2. Key Market Segments
- 1.3. Key Benefits
- 1.4. Research Methodology
 - 1.4.1. Primary Research
 - 1.4.2. Secondary Research
 - 1.4.3. Analyst Tools and Models

CHAPTER 2: EXECUTIVE SUMMARY

- 2.1. CXO Perspective

CHAPTER 3: MARKET LANDSCAPE

- 3.1. Market Definition and Scope
- 3.2. Key Findings
 - 3.2.1. Top Investment Pockets
 - 3.2.2. Top Winning Strategies
- 3.3. Porter's Five Forces Analysis
 - 3.3.1. Bargaining Power of Suppliers
 - 3.3.2. Threat of New Entrants
 - 3.3.3. Threat of Substitutes
 - 3.3.4. Competitive Rivalry
 - 3.3.5. Bargaining Power among Buyers
- 3.4. Market Dynamics
 - 3.4.1. Drivers
 - 3.4.2. Restraints
 - 3.4.3. Opportunities

CHAPTER 4: ACETAL COPOLYMER MARKET, BY PRODUCT TYPE

- 4.1. Market Overview
 - 4.1.1 Market Size and Forecast, By Product Type
- 4.2. Low Heat Resistant
 - 4.2.1. Key Market Trends, Growth Factors and Opportunities

- 4.2.2. Market Size and Forecast, By Region
- 4.2.3. Market Share Analysis, By Country
- 4.3. Medium Heat Resistant
 - 4.3.1. Key Market Trends, Growth Factors and Opportunities
 - 4.3.2. Market Size and Forecast, By Region
 - 4.3.3. Market Share Analysis, By Country
- 4.4. High Heat Resistant
 - 4.4.1. Key Market Trends, Growth Factors and Opportunities
 - 4.4.2. Market Size and Forecast, By Region
 - 4.4.3. Market Share Analysis, By Country

CHAPTER 5: ACETAL COPOLYMER MARKET, BY FORMING METHOD

- 5.1. Market Overview
 - 5.1.1 Market Size and Forecast, By Forming Method
- 5.2. Injection Molding
 - 5.2.1. Key Market Trends, Growth Factors and Opportunities
 - 5.2.2. Market Size and Forecast, By Region
 - 5.2.3. Market Share Analysis, By Country
- 5.3. Extrusion
 - 5.3.1. Key Market Trends, Growth Factors and Opportunities
 - 5.3.2. Market Size and Forecast, By Region
 - 5.3.3. Market Share Analysis, By Country
- 5.4. Rotational Molding
 - 5.4.1. Key Market Trends, Growth Factors and Opportunities
 - 5.4.2. Market Size and Forecast, By Region
 - 5.4.3. Market Share Analysis, By Country
- 5.5. Blow Molding
 - 5.5.1. Key Market Trends, Growth Factors and Opportunities
 - 5.5.2. Market Size and Forecast, By Region
 - 5.5.3. Market Share 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 Share Analysis, By Country

CHAPTER 6: ACETAL COPOLYMER MARKET, BY END-USE INDUSTRY

- 6.1. Market Overview

- 6.1.1 Market Size and Forecast, By End-use Industry
- 6.2. Automotive
 - 6.2.1. Key Market Trends, Growth Factors and Opportunities
 - 6.2.2. Market Size and Forecast, By Region
 - 6.2.3. Market Share Analysis, By Country
- 6.3. Electrical And Electronics
 - 6.3.1. Key Market Trends, Growth Factors and Opportunities
 - 6.3.2. Market Size and Forecast, By Region
 - 6.3.3. Market Share Analysis, By Country
- 6.4. Building And Construction
 - 6.4.1. Key Market Trends, Growth Factors and Opportunities
 - 6.4.2. Market Size and Forecast, By Region
 - 6.4.3. Market Share Analysis, By Country
- 6.5. Aerospace
 - 6.5.1. Key Market Trends, Growth Factors and Opportunities
 - 6.5.2. Market Size and Forecast, By Region
 - 6.5.3. Market Share Analysis, By Country
- 6.6. Others
 - 6.6.1. Key Market Trends, Growth Factors and Opportunities
 - 6.6.2. Market Size and Forecast, By Region
 - 6.6.3. Market Share Analysis, By Country

CHAPTER 7: ACETAL COPOLYMER MARKET, BY REGION

- 7.1. Market Overview
 - 7.1.1 Market Size and Forecast, By Region
- 7.2. North America
 - 7.2.1. Key Market Trends and Opportunities
 - 7.2.2. Market Size and Forecast, By Product Type
 - 7.2.3. Market Size and Forecast, By Forming Method
 - 7.2.4. Market Size and Forecast, By End-use Industry
 - 7.2.5. Market Size and Forecast, By Country
 - 7.2.6. U.S. Acetal Copolymer Market
 - 7.2.6.1. Market Size and Forecast, By Product Type
 - 7.2.6.2. Market Size and Forecast, By Forming Method
 - 7.2.6.3. Market Size and Forecast, By End-use Industry
 - 7.2.7. Canada Acetal Copolymer Market
 - 7.2.7.1. Market Size and Forecast, By Product Type
 - 7.2.7.2. Market Size and Forecast, By Forming Method

- 7.2.7.3. Market Size and Forecast, By End-use Industry
- 7.2.8. Mexico Acetal Copolymer Market
 - 7.2.8.1. Market Size and Forecast, By Product Type
 - 7.2.8.2. Market Size and Forecast, By Forming Method
 - 7.2.8.3. Market Size and Forecast, By End-use Industry
- 7.3. Europe
 - 7.3.1. Key Market Trends and Opportunities
 - 7.3.2. Market Size and Forecast, By Product Type
 - 7.3.3. Market Size and Forecast, By Forming Method
 - 7.3.4. Market Size and Forecast, By End-use Industry
 - 7.3.5. Market Size and Forecast, By Country
 - 7.3.6. Germany Acetal Copolymer Market
 - 7.3.6.1. Market Size and Forecast, By Product Type
 - 7.3.6.2. Market Size and Forecast, By Forming Method
 - 7.3.6.3. Market Size and Forecast, By End-use Industry
 - 7.3.7. UK Acetal Copolymer Market
 - 7.3.7.1. Market Size and Forecast, By Product Type
 - 7.3.7.2. Market Size and Forecast, By Forming Method
 - 7.3.7.3. Market Size and Forecast, By End-use Industry
 - 7.3.8. France Acetal Copolymer Market
 - 7.3.8.1. Market Size and Forecast, By Product Type
 - 7.3.8.2. Market Size and Forecast, By Forming Method
 - 7.3.8.3. Market Size and Forecast, By End-use Industry
 - 7.3.9. Spain Acetal Copolymer Market
 - 7.3.9.1. Market Size and Forecast, By Product Type
 - 7.3.9.2. Market Size and Forecast, By Forming Method
 - 7.3.9.3. Market Size and Forecast, By End-use Industry
 - 7.3.10. Italy Acetal Copolymer Market
 - 7.3.10.1. Market Size and Forecast, By Product Type
 - 7.3.10.2. Market Size and Forecast, By Forming Method
 - 7.3.10.3. Market Size and Forecast, By End-use Industry
 - 7.3.11. Rest of Europe Acetal Copolymer Market
 - 7.3.11.1. Market Size and Forecast, By Product Type
 - 7.3.11.2. Market Size and Forecast, By Forming Method
 - 7.3.11.3. Market Size and Forecast, By End-use Industry
- 7.4. Asia-Pacific
 - 7.4.1. Key Market Trends and Opportunities
 - 7.4.2. Market Size and Forecast, By Product Type
 - 7.4.3. Market Size and Forecast, By Forming Method

- 7.4.4. Market Size and Forecast, By End-use Industry
- 7.4.5. Market Size and Forecast, By Country
- 7.4.6. China Acetal Copolymer Market
 - 7.4.6.1. Market Size and Forecast, By Product Type
 - 7.4.6.2. Market Size and Forecast, By Forming Method
 - 7.4.6.3. Market Size and Forecast, By End-use Industry
- 7.4.7. India Acetal Copolymer Market
 - 7.4.7.1. Market Size and Forecast, By Product Type
 - 7.4.7.2. Market Size and Forecast, By Forming Method
 - 7.4.7.3. Market Size and Forecast, By End-use Industry
- 7.4.8. Japan Acetal Copolymer Market
 - 7.4.8.1. Market Size and Forecast, By Product Type
 - 7.4.8.2. Market Size and Forecast, By Forming Method
 - 7.4.8.3. Market Size and Forecast, By End-use Industry
- 7.4.9. South Korea Acetal Copolymer Market
 - 7.4.9.1. Market Size and Forecast, By Product Type
 - 7.4.9.2. Market Size and Forecast, By Forming Method
 - 7.4.9.3. Market Size and Forecast, By End-use Industry
- 7.4.10. Australia Acetal Copolymer Market
 - 7.4.10.1. Market Size and Forecast, By Product Type
 - 7.4.10.2. Market Size and Forecast, By Forming Method
 - 7.4.10.3. Market Size and Forecast, By End-use Industry
- 7.4.11. Rest of Asia-Pacific Acetal Copolymer Market
 - 7.4.11.1. Market Size and Forecast, By Product Type
 - 7.4.11.2. Market Size and Forecast, By Forming Method
 - 7.4.11.3. Market Size and Forecast, By End-use Industry
- 7.5. LAMEA
 - 7.5.1. Key Market Trends and Opportunities
 - 7.5.2. Market Size and Forecast, By Product Type
 - 7.5.3. Market Size and Forecast, By Forming Method
 - 7.5.4. Market Size and Forecast, By End-use Industry
 - 7.5.5. Market Size and Forecast, By Country
 - 7.5.6. Brazil Acetal Copolymer Market
 - 7.5.6.1. Market Size and Forecast, By Product Type
 - 7.5.6.2. Market Size and Forecast, By Forming Method
 - 7.5.6.3. Market Size and Forecast, By End-use Industry
 - 7.5.7. Saudi Arabia Acetal Copolymer Market
 - 7.5.7.1. Market Size and Forecast, By Product Type
 - 7.5.7.2. Market Size and Forecast, By Forming Method

- 7.5.7.3. Market Size and Forecast, By End-use Industry
- 7.5.8. South Africa Acetal Copolymer Market
 - 7.5.8.1. Market Size and Forecast, By Product Type
 - 7.5.8.2. Market Size and Forecast, By Forming Method
 - 7.5.8.3. Market Size and Forecast, By End-use Industry
- 7.5.9. Rest of LAMEA Acetal Copolymer Market
 - 7.5.9.1. Market Size and Forecast, By Product Type
 - 7.5.9.2. Market Size and Forecast, By Forming Method
 - 7.5.9.3. Market Size and Forecast, By End-use Industry

CHAPTER 8: COMPETITIVE LANDSCAPE

- 8.1. Introduction
- 8.2. Top Winning Strategies
- 8.3. Product Mapping of Top 10 Player
- 8.4. Competitive Dashboard
- 8.5. Competitive Heatmap
- 8.6. Top Player Positioning, 2023

CHAPTER 9: COMPANY PROFILES

- 9.1. Delrin USA, LLC
 - 9.1.1. Company Overview
 - 9.1.2. Key Executives
 - 9.1.3. Company Snapshot
 - 9.1.4. Operating Business Segments
 - 9.1.5. Product Portfolio
 - 9.1.6. Business Performance
 - 9.1.7. Key Strategic Moves and Developments
- 9.2. Boedeker Plastics, Inc
 - 9.2.1. Company Overview
 - 9.2.2. Key Executives
 - 9.2.3. Company Snapshot
 - 9.2.4. Operating Business Segments
 - 9.2.5. Product Portfolio
 - 9.2.6. Business Performance
 - 9.2.7. Key Strategic Moves and Developments
- 9.3. Asahi Kasei Plastics
 - 9.3.1. Company Overview

- 9.3.2. Key Executives
- 9.3.3. Company Snapshot
- 9.3.4. Operating Business Segments
- 9.3.5. Product Portfolio
- 9.3.6. Business Performance
- 9.3.7. Key Strategic Moves and Developments
- 9.4. Ensinger
 - 9.4.1. Company Overview
 - 9.4.2. Key Executives
 - 9.4.3. Company Snapshot
 - 9.4.4. Operating Business Segments
 - 9.4.5. Product Portfolio
 - 9.4.6. Business Performance
 - 9.4.7. Key Strategic Moves and Developments
- 9.5. Emco Industrial Plastics
 - 9.5.1. Company Overview
 - 9.5.2. Key Executives
 - 9.5.3. Company Snapshot
 - 9.5.4. Operating Business Segments
 - 9.5.5. Product Portfolio
 - 9.5.6. Business Performance
 - 9.5.7. Key Strategic Moves and Developments
- 9.6. Radici Partecipazioni SpA
 - 9.6.1. Company Overview
 - 9.6.2. Key Executives
 - 9.6.3. Company Snapshot
 - 9.6.4. Operating Business Segments
 - 9.6.5. Product Portfolio
 - 9.6.6. Business Performance
 - 9.6.7. Key Strategic Moves and Developments
- 9.7. Celanese Corporation
 - 9.7.1. Company Overview
 - 9.7.2. Key Executives
 - 9.7.3. Company Snapshot
 - 9.7.4. Operating Business Segments
 - 9.7.5. Product Portfolio
 - 9.7.6. Business Performance
 - 9.7.7. Key Strategic Moves and Developments
- 9.8. Mitsubishi Chemical Group of Companies

- 9.8.1. Company Overview
- 9.8.2. Key Executives
- 9.8.3. Company Snapshot
- 9.8.4. Operating Business Segments
- 9.8.5. Product Portfolio
- 9.8.6. Business Performance
- 9.8.7. Key Strategic Moves and Developments
- 9.9. Entec Polymers
 - 9.9.1. Company Overview
 - 9.9.2. Key Executives
 - 9.9.3. Company Snapshot
 - 9.9.4. Operating Business Segments
 - 9.9.5. Product Portfolio
 - 9.9.6. Business Performance
 - 9.9.7. Key Strategic Moves and Developments
- 9.10. Thyssenkrupp Materials NA, Inc.
 - 9.10.1. Company Overview
 - 9.10.2. Key Executives
 - 9.10.3. Company Snapshot
 - 9.10.4. Operating Business Segments
 - 9.10.5. Product Portfolio
 - 9.10.6. Business Performance
 - 9.10.7. Key Strategic Moves and Developments

I would like to order

Product name: 3D Printing Filament Market By Material Type (Metals, Plastics, Alloys, Ceramics) , By End-Use Industry (Automotive, Aerospace and Aviation, Household Equipment, Petrochemical, Medical, Electronics, Others) : Global Opportunity Analysis and Industry Forecast, 2024-2031

Product link: <https://marketpublishers.com/r/3C5DC467A370EN.html>

Price: US\$ 2,655.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/3C5DC467A370EN.html>