

Fluoropolymer Market Size & Share Analysis - Growth Trends and Forecast (2026 - 2031)

> ****Industry:**** Electronic Chemicals & Catalysts (Chemicals & Materials)

> ****Source:**** [<https://www.mordorintelligence.com/industry-reports/fluoropolymer-market>]([https://www.mordorintelligence.com/industry-reports/fluoropolymer-marke](https://www.mordorintelligence.com/industry-reports/fluoropolymer-market)
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> ****Scraped Date:**** 2026-09-17

Executive Market Summary

Market Metric	Details
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Base Market Size	USD 20 million
Projected Forecast (2031)	USD 20 million
Growth Rate (CAGR)	7.24 %
Largest Market Region	N/A
Fastest-Growing Region	N/A

Market Visualizations & Infographics

![Major players in Fluoropolymer industry](images/chart_2.png)

![Fluoropolymer Market Size](images/chart_3.png)

![Fluoropolymer Market Share by Sub-Resin Type, 2025](images/chart_4.png)

![Fluoropolymer Market Share by End-User Industry, 2025](images/chart_5.png)

![Fluoropolymer Market Growth Rate by Region](images/chart_6.png)

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Comprehensive Research Analysis

Overview Points List Flex 49 Share Feature End

Market OverviewStudy Period | 2020 - 2031 |

Market Volume (2026) | 503.72 kilotons |

Market Volume (2031) | 714.45 kilotons |

Growth Rate (2026 - 2031) | 7.24 % |

Fastest Growing Market | Asia Pacific |

Largest Market | Asia Pacific |

Market Concentration | Medium |

Major Players*Disclaimer: Major Players sorted in no particular order

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Market Overview

Fluoropolymer Market Analysis by Mordor Intelligence

The Fluoropolymer market size is expected to grow from 469.71 kilotons in 2025 to 503.72 kilotons in 2026 and is forecast to reach 714.45 kilotons by 2031 at 7.24% CAGR over 2026-2031. Sustained gains stem from electric-vehicle wire insulation, Asia-Pacific semiconductor fab expansion, and low-VOC coating mandates that favor fluoropolymer chemistries. Price resilience is linked to unmatched chemical inertness, thermal stability, and dielectric strength that extend service life and reduce maintenance costs for critical assets. Leading suppliers are deepening their vertical integration into fluorspar mining and downstream compounding to mitigate raw-material volatility. Process intensification and advances in membrane durability broaden the adoption of green-hydrogen projects. Collectively, these drivers reinforce multi-industry reliance, shielding the fluoropolymer market from cyclical downturns.

Key Report Takeaways* By sub-resin type, PTFE led with a 48.05% revenue share in 2025; PVDF is expected to expand at an 17.1% CAGR through 2031.

* By end-user industry, industrial and machinery applications held 35.10% of the Fluoropolymer market share in 2025, while automotive applications are projected to advance at a 13.88% CAGR through 2031.

* By geography, the Asia-Pacific region accounted for 53.92% of the Fluoropolymer market size in 2025 and is forecast to post the fastest regional growth at an 8.34% CAGR through 2031.

Key Market Trends

Market Trends and Insights
Drivers Impact Analysis of Fluoropolymer Market*
Driver | (~) % Impact on CAGR Forecast | Geographic Relevance | Impact Timeline |
Surge in demand for high-performance wiring in EVs | +2.1% | Global, with concentration in China, US, Europe | Medium term (2-4 years) |
Growing adoption of PVDF as Li-ion battery binder | +1.8% | Asia-Pacific core, spill-over to North America | Short term (≤ 2 years) |
Expansion of semiconductor fab capacity in Asia | +1.5% | APAC core, particularly Taiwan, South Korea, China | Long term (≥ 4 years) |
Stringent low-VOC coating regulations | +1.2% | North America & EU, expanding to APAC | Medium term (2-4 years) |
Green-hydrogen electrolysis membranes (PVDF, FEP) | +1.1% | Europe, Japan, Australia, with early gains in Germany, Netherlands | Long term (≥ 4 years) |
Source: Mordor Intelligence |

Competitive Landscape

Competitive Landscape

The fluoropolymer Market is moderately consolidated. Strategic alliances are common. Producers experiment with pyrolysis-based PTFE recycling and bio-based monomer routes to answer sustainability queries and differentiate in contract negotiations. Disruptive entrants focus on additive-manufacturing powder grades and niche 3D-printing filaments where traditional incumbents possess limited channel reach. Intellectual property around suspension-polymerization and high-purity sintering remains a strong moat, slowing commoditization despite regulatory headwinds. Supply-chain vulnerabilities favor integrated players. Those controlling fluorspar mines and HF capacity hedge against feedstock price spikes, while processors dependent on merchant HF face cost volatility and occasional allocation cuts. Skilled labor capable of handling corrosive intermediates and maintaining sint

er-belt furnaces also remains scarce, reinforcing barriers for new entrants. Altogether, technology depth, raw-material security, and regulatory compliance shape a competitive field where scale and specialization outweigh simple price competition.

Fluoropolymer Industry Leaders* The Chemours Company

* Daikin Industries Ltd.

* 3M

* Arkema

* Solvay

* *Disclaimer: Major Players sorted in no particular order

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Component Component 3 Scope Of The Report Bottom

Global Fluoropolymer Market Report ScopeAerospace, Automotive, Building and Construction, Electrical and Electronics, Industrial and Machinery, Packaging are covered as segments by End User Industry. Ethylenetetrafluoroethylene (ETFE), Fluorinated Ethylene-propylene (FEP), Polytetrafluoroethylene (PTFE), Polyvinylfluoride (PVF), Polyvinylidene Fluoride (PVDF) are covered as segments by Sub Resin Type. Africa, Asia-Pacific, Europe, Middle East, North America, South America are covered as segments by Region.By Sub-Resin TypeEthylenetetrafluoroethylene (ETFE) |

Fluorinated Ethylene-propylene (FEP) |

Polytetrafluoroethylene (PTFE) |

Polyvinylfluoride (PVF) |

Polyvinylidene Fluoride (PVDF) |

Other Sub Resin Types |

Segmentation Accordion Item

By GeographyAsia-Pacific | China |

| Japan |

| India |

| South Korea |

| Australia |

| Malaysia |

| Rest of Asia-Pacific |

North America | United States |

| Canada |

| Mexico |

Europe | Germany |

| France |

| Italy |

| United Kingdom |

| Russia |

| Rest of Europe |

South America | Brazil |

| Argentina |

| Rest of South America |

Middle-East and Africa | Saudi Arabia |

| United Arab Emirates |

| Nigeria |

| South Africa |

| Rest of Middle-East and Africa |

Frequently Asked Questions

How large is the fluoropolymer market in 2026?

The fluoropolymer market size reached 503.72 kilotons in 2026 and is on track for 7.24% CAGR to 2031.

Which region leads global demand?

Asia-Pacific dominates with 53.92% share in 2025, rising fastest at 8.34% CAGR through 2031.

What is driving PVDF consumption?

Lithium-ion battery binder and green-hydrogen membrane needs give PVDF an 17.1% forecast CAGR.

How will PFAS regulations affect suppliers?

Stricter U.S. and EU rules add compliance costs and may constrain precursor availability, trimming market CAGR by 1.4 percentage points.

Which end-use application is growing fastest?

Automotive uses—primarily EV wiring and battery films—are set to expand at 13.88% CAGR to 2031.