

Fluoropolymer Processing Aid Market to Surpass USD 1.91 Billion by 2032 | Report by SNS Insider

Fluoropolymer Processing Aid Market Grows Amid Rising Demand for High-Performance Films and Sustainable Alternatives.

AUSTIN, TX, UNITED STATES, February 17, 2025 /EINPresswire.com/ -- The Fluoropolymer Processing Aid Market was valued at USD 1.46 billion in 2023 and is projected to reach USD 1.91 billion by 2032, growing at a CAGR of 2.98% from 2024 to 2032. The market expansion is attributed to the rising



need for enhanced polymer processing efficiency, improved melt flow, and reduced die buildup in extrusion processes. Additionally, the growing shift towards sustainable and high-performance polymer additives is fostering innovation in the market. With increasing regulatory restrictions on traditional processing aids, fluoropolymer processing aids are gaining traction due to their superior processing stability, improved surface quality, and reduced equipment wear.

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Key Players:

- 3M (Dyneon PPA 5910, Dynamar FX 5920A)
- Arkema (Kynar 710, Fluorostrip)
- Clariant AG (Licocene PPA 8102, Exolit OP 1230)
- Daikin America, Inc. (Neoflon PFA AP-210, Neoflon FEP NP-20)
- Fine Organics (Finawax E, Finawax O)
- Micro-Epsilon (thermolMAGER TIM 40, thermolMAGER TIM G7)
- PolyOne Corporation (OnColor PPA, Smartbatch PPA)
- Tosaf Compounds Ltd. (Tosaf PPA 511, Tosaf PPA 711)
- Wells Plastics Ltd. (Reverte PPA, Wellstat PPA)

- BP p.l.c. (BP Oleo PPA, Innovene PPA)
- TotalEnergies (Total PPA 40, Total Polybatch PPA)
- Hanwha Group (Hanwha PPA 120, Hanwha PPA 430)
- Ducor Petrochemicals (Ducor PPA 1200, Ducor PPA 1500)
- Borealis AG (Borstar PPA, Borflow PPA)
- MOL GROUP (MOL PPA 550, MOL PPA 750)
- Solvay (Hyflon PPA, Solef PPA)
- Dongyue Group (Dongyue PPA DF-820, Dongyue PPA DF-910)
- AGC Chemicals (Fluon+ PPA, Fluon ETFE PPA)
- Celanese Corporation (Hostaform PPA, Celanex PPA)
- LyondellBasell (Adflex PPA, Petrothene PPA)

By Polymer Type, Polypropylene held the Largest Market Share of Around 28% in 2023

Its resistance to various chemical compounds, cost-effectiveness, and versatility across multiple multi-industry verticals, such as packaging, automotive, textiles, and healthcare applications. Due to its lightweight, high tensile strength, and recyclability with countless applications, it is a favorite material for manufacturers who are seeking sustainable and durable solutions. Consumption of polypropylene has been bolstered by its use in flexible and rigid packaging which is steadily increasing in the food and beverage sector. Furthermore, the tradition of using it in automotive applications to reduce vehicle weight to produce fuel-efficient vehicles has facilitated its prevalence. Meanwhile, strict government regulations recommending recyclable and lightweight components have further strengthened the overall position of Polypropylene in the market.

By Application, the Blown film and cast film technologies held the largest market share of around 24% in 2023

The dominance of blown film and cast film technologies, primarily in packaging, agriculture, and industrial applications, is mainly attributed to superior mechanical properties, cost efficiency, and versatility. To produce, given the excellent strength and barrier properties of the blown film, which is widely applied in food packaging, stretch wraps, and industrial films, it is popular for high-performance applications. However, cast film can provide high clarity and uniform thickness with better heat-sealing properties, therefore it is suitable for applications such as laminations, medical packaging, and high-speed production lines.

Asia Pacific Held the Largest Market Share of Around 44 in 2023

It is extensive demand for flexible packaging in the food, pharmaceutical, and consumer goods industries, along with the rapid growth of the industrial bases and manufacturing capabilities in this region. It is fueled by a strong consumer base, increasing disposable income, and urbanization, which in turn, aids the consumption of packaged products, thereby fueling the demand for blown and cast films in the region. Apart from that, major economies such as China,

India, Japan, etc., have well-established plastic processing industries operating with significant support from the governments to promote domestic manufacturing and export-oriented development. The continued regional growth is powered by polymer technology, growing investments on sustainable packaging solutions and key film manufacturer base. In addition, the rapid expansion of e-commerce in Asia Pacific has increased the need for all types of protection and stretch films, sustaining the region's top position in the film market.

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Recent Highlights

- In 2024, The Chemours Company introduced a new series of PTFE-based fluoropolymer processing aids designed to improve processing efficiency in high-performance polymer applications, aligning with sustainability initiatives.
- In 2024, Daikin Industries announced the expansion of its fluoropolymer processing aid portfolio, focusing on advanced formulations that enhance melt flow properties and reduce die buildup in polyethylene extrusion.

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