

## **Polymer Processing Aid - Market Share Analysis, Industry Trends & Statistics, Growth Forecasts (2025 - 2030)**

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### **Report description:**

The Polymer Processing Aid Market is expected to register a CAGR of 4.76% during the forecast period.

The COVID-19 pandemic harmed the polymer processing aid market. Global lockdowns and severe rules enforced by governments resulted in a catastrophic setback as most production hubs were shut down. Nonetheless, the business is recovering from 2021 and is expected to rise significantly in the coming years.

### **Key Highlights**

- Over the medium term, major factors driving the studied market include increasing demand for polymer processing aids in blown film and cast film and rising demand from the wire and cable segment.
- However, quality difficulties and high product costs due to polymer processing aid depending on the polymer utilized during the extrusion process are important barriers projected to stymie market expansion.
- Nevertheless, the increasing need for polymer processing aid in the fiber and raffia company, forthcoming telecommunications projects, and increasing electric vehicle penetration are expected to offer various lucrative opportunities for the market's growth.
- The Asia-Pacific region dominated the polymer processing aid market globally, with the highest consumption from countries such as China, India, and Japan.

### **Polymer Processing Aid Market Trends**

#### **Increasing Demand from Blown Film and Cast Film Segment**

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- A polymer processing aid is used during polymer formulation when molten polymers are subjected to extrusion processes to be formulated into pipes, film, tubes, and other products. Polymer processing aid improves the quality of finished products.
- Polymer processing aids help in increasing film transparency, improving smoothness, improving product appearance, and improving mechanical properties. Owing to these factors, the demand for polymer processing aid is increasing in the blown film and cast film segment.
- According to the Packaging Association and Plastics Industry Association, the global plastic cast film technology market is estimated to be worth USD 14,486.6 million in 2023. The cast film technique is mostly utilized in food and industrial packaging.
- Additionally, the rise in demand for packaging films, agriculture films, and tapes is increasing the demand for polymers such as high-density polyethylene (HDPE), linear low-density polyethylene (LLDPE), and low-density polyethylene (LDPE) with improved properties such as high mechanical strength and durability.
- According to the International Mining and Resources Conference (IMARC), the global market value of food packaging was USD 363 billion in 2022 and is expected to reach USD 512 billion in 2028.
- Moreover, according to the Plastics Industry Association, the packaging segment of the global plastic film market is predicted to reach 30,280.8 kilotons by 2023. Plastic film packaging is utilized in industries such as food packaging, pharmaceutical packaging, and medical packaging.
- The polymer processing aid market is expected to grow rapidly over the forecast period due to all the abovementioned factors.

#### Asia-Pacific Region to Dominate the Market

- Asia-Pacific region is expected to dominate the market for polymer processing aid during the forecast period. Due to the increasing demand for plastics from various end-user industries like packaging, automotive, and building and construction, the demand for polymer processing aid is increasing in countries like China, India, Japan, and South Korea.
- According to the Packaging Association and Plastics Industry Association, the Asia-Pacific plastic cast film technology market is estimated to be worth USD 6,263.6 million in 2023. The cast film technique is mostly utilized in food and industrial packaging.
- China is amid a construction mega-boom. The country includes the largest building market in the region, making up 20% of all construction investments globally. The Chinese government is estimated to include an annual limit for new infrastructure bonds worth CNY 3.85 (~USD 572.49) trillion in 2022, up from CNY 3.65 trillion (~USD 542.75 million) in 2021.
- Polymer processing helps improve product surface quality, eliminate melt fractures, and reduce die deposits. These factors are expected to positively impact the polymer processing aid market.
- Additionally, the demand for polymer processing aid is expected to increase to meet the demand for clean films in food packaging and agriculture sectors in countries like China, India, Japan, and South Korea. It will stimulate the polymer processing aid market in the region.
- Furthermore, the optimum utilization of polymer processing aids can reduce the damage to polyethylene during manufacturing.
- Thus, the rise in demand for polymer products from various applications such as aviation, defense, automobile, telecommunication, scientific research labs, commercial facilities, and others is fueling the demand for polymer processing aid and, thus, propelling its market.
- According to Organisation Internationale des Constructeurs d'Automobiles (OCIA), Asia-Pacific, the largest automotive production region, also witnessed a growth rate of 7% in 2022. The production of motor vehicles increased from 46.76 million in 2021 to 50.02 million in 2022, respectively.
- Moreover, around 27.02 million motor vehicles were produced in China in 2022, compared to 26.12 million motor vehicles produced in 2021, witnessing a growth rate of about 3%.
- According to the Directorate General of Civil Aviation (DGCA), India's aviation sector rapidly expanded. The industry had established itself as a cost-effective and trustworthy alternative to time-consuming and lengthy excursions by road or rail. With a discernible development pattern, India was predicted to become one of the world's major aviation markets by 2034. As of fiscal

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year 2022, IndiGo was the market leader in the sector, accounting for around 55% of the market.

- The above factors and government support are expected to increase the demand for polymer processing aid during the forecast period.

## Polymer Processing Aid Industry Overview

The polymer processing aid market is fragmented, with the top players accounting for a marginal market share. Some of the key companies in the market include 3M, Arkema, The Chemours Company, Mitsubishi Chemical Corporation, and Kaneka Corporation, among others.

### Additional Benefits:

- The market estimate (ME) sheet in Excel format
- 3 months of analyst support

### **Table of Contents:**

#### 1 INTRODUCTION

- 1.1 Study Assumptions
- 1.2 Scope of the Study

#### 2 RESEARCH METHODOLOGY

#### 3 EXECUTIVE SUMMARY

#### 4 MARKET DYNAMICS

##### 4.1 Drivers

- 4.1.1 Increasing Demand for Polypropylene from the Packaging Industry
- 4.1.2 Usage of PVC and HDPE in the Building and Infrastructure Industry
- 4.1.3 Other Drivers

##### 4.2 Restraints

- 4.2.1 Quality Difficulties and High Product Costs due to Polymer Processing Aid
- 4.2.2 Other Restraints

##### 4.3 Industry Value Chain Analysis

##### 4.4 Porter's Five Forces Analysis

- 4.4.1 Bargaining Power of Suppliers
- 4.4.2 Bargaining Power of Buyers
- 4.4.3 Threat of New Entrants
- 4.4.4 Threat of Substitute Products and Services
- 4.4.5 Degree of Competition

#### 5 MARKET SEGMENTATION (Market Size in Value)

##### 5.1 Polymer Type

###### 5.1.1 Polyethylene

- 5.1.1.1 LLDPE
- 5.1.1.2 LDPE
- 5.1.1.3 HDPE

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- 5.1.2 Polypropylene
- 5.1.3 PVC, ABS, and Polycarbonate
- 5.1.4 Other Polymer Types
- 5.2 Application
  - 5.2.1 Blown Film and Cast Film
  - 5.2.2 Wire and Cable
  - 5.2.3 Extrusion Blow Molding
  - 5.2.4 Fibers and Raffia
  - 5.2.5 Pipe and Tube
  - 5.2.6 Other Applications
- 5.3 End-user Industry
  - 5.3.1 Packaging
  - 5.3.2 Building and Construction
  - 5.3.3 Transportation
  - 5.3.4 Textiles
  - 5.3.5 IT and Telecommunication
  - 5.3.6 Other End-user Industries
- 5.4 Geography
  - 5.4.1 Asia-Pacific
    - 5.4.1.1 China
    - 5.4.1.2 India
    - 5.4.1.3 Japan
    - 5.4.1.4 South Korea
    - 5.4.1.5 ASEAN Countries
    - 5.4.1.6 Rest of Asia-Pacific
  - 5.4.2 North America
    - 5.4.2.1 United States
    - 5.4.2.2 Canada
    - 5.4.2.3 Mexico
  - 5.4.3 Europe
    - 5.4.3.1 Germany
    - 5.4.3.2 UK
    - 5.4.3.3 France
    - 5.4.3.4 Italy
    - 5.4.3.5 Russia
    - 5.4.3.6 Rest of Europe
  - 5.4.4 South America
    - 5.4.4.1 Brazil
    - 5.4.4.2 Argentina
    - 5.4.4.3 Rest of South America
  - 5.4.5 Middle-East and Africa
    - 5.4.5.1 Saudi Arabia
    - 5.4.5.2 South Africa
    - 5.4.5.3 Rest of Middle-East and Africa

## 6 COMPETITIVE LANDSCAPE

- 6.1 Mergers and Acquisitions, Joint Ventures, Collaborations, and Agreements

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- 6.2 Market Share Analysis (%) \*\*/Ranking Analysis
- 6.3 Strategies Adopted by Leading Players
- 6.4 Company Profiles
  - 6.4.1 3M
  - 6.4.2 Ampacet Corporation
  - 6.4.3 Arkema
  - 6.4.4 Avient Corporation
  - 6.4.5 BASF SE
  - 6.4.6 Clariant
  - 6.4.7 DAIKIN INDUSTRIES, Ltd.
  - 6.4.8 Dow
  - 6.4.9 Evonik Industries AG
  - 6.4.10 Fine Organic Industries Limited
  - 6.4.11 Guangzhou Shine Polymer Technology Co. Ltd
  - 6.4.12 Gujarat Fluorochemicals Limited (GFL)
  - 6.4.13 HANNANOTECH CO., LTD.
  - 6.4.14 Kaneka Corporation
  - 6.4.15 LG Chem
  - 6.4.16 MicroMB (INDEVCO Group)
  - 6.4.17 Mitsubishi Chemical Corporation
  - 6.4.18 Mitsui Chemicals Inc.
  - 6.4.19 Nouryon
  - 6.4.20 Plastiblends
  - 6.4.21 PMC Group, Inc.
  - 6.4.22 Shanghai Lanpoly Polymer Technology Co. Ltd
  - 6.4.23 Solvay
  - 6.4.24 The Chemours Company
  - 6.4.25 Tosaf Compounds Ltd
  - 6.4.26 WSD CHEMICAL COMPANY

## 7 MARKET OPPORTUNITIES AND FUTURE TRENDS

- 7.1 Increasing Electric Vehicles Penetration
- 7.2 Upcoming Projects in the Telecommunication Sector

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