

# Polybutylene Adipate Terephthalate Market to Reach US\$ 3.1 Billion by 2033 Driven by Biodegradable Packaging Demand

*Asia-Pacific leads with ~38% of global PBAT revenue, driven by China's dominant production and strong policy support for biodegradable plastics*

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[/EINPresswire.com/](https://www.einpresswire.com/) -- The global polybutylene adipate terephthalate (PBAT) market is witnessing significant expansion as industries rapidly transition toward sustainable and biodegradable materials. According to the latest study by Persistence Market Research, the global [polybutylene adipate terephthalate market](#) size is projected to be valued at US\$ 1.6 billion in 2026 and is expected to reach US\$ 3.1 billion by 2033, registering a CAGR of 9.4% between 2026 and 2033. This robust growth reflects the rising global shift from conventional petroleum-based plastics toward compostable polymer alternatives that offer reduced environmental impact.

The market previously recorded a valuation of US\$ 1.0 billion in 2020, driven by increasing regulatory pressure on plastic waste management and growing consumer awareness regarding environmental sustainability. Governments across more than 100 countries are introducing strict bans and limitations on single-use plastics, encouraging manufacturers and packaging companies to adopt biodegradable materials such as PBAT. As a result, PBAT has emerged as one of the most promising biodegradable polymers, widely used in compostable packaging films, agricultural mulch films, and eco-friendly consumer products.

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Rising Global Regulations Against Single-Use Plastics

One of the most powerful forces accelerating PBAT market growth is the tightening regulatory



Research Report On

### Polybutylene Adipate Terephthalate Market

Market Research Report, Including Regional and Country Analysis in Brief

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Polybutylene Adipate Terephthalate Market

environment surrounding single-use plastics. Governments across Europe, North America, and Asia-Pacific are introducing stringent environmental regulations aimed at reducing plastic pollution. Policies encouraging compostable packaging and biodegradable materials have created strong demand for PBAT in various industries. With regulatory enforcement strengthening worldwide, manufacturers are actively integrating PBAT-based materials into their production processes to comply with sustainability mandates.

### Surging Demand for Compostable Flexible Packaging

Flexible packaging remains the dominant application for PBAT due to its excellent flexibility, durability, and compostability. Global consumer goods brands and food packaging companies are increasingly replacing traditional polyethylene films with PBAT-based alternatives. Compostable flexible packaging solutions are gaining traction across grocery retail, e-commerce packaging, and fresh produce packaging. This shift is expected to significantly contribute to the sustained growth of the PBAT market throughout the forecast period.

### Expansion in Agricultural Mulch Film Applications

Agricultural mulch films represent another rapidly expanding application area for PBAT. Conventional plastic mulch films create disposal challenges and contribute to soil contamination. PBAT-based biodegradable mulch films address these concerns by decomposing naturally after use, eliminating the need for costly removal and disposal processes. As agricultural sustainability initiatives gain momentum globally, farmers and agribusinesses are increasingly adopting PBAT mulch films to improve soil health and reduce environmental impact.

### Continuous Innovations in PBAT Formulations

Technological advancements and material innovations are playing a critical role in enhancing PBAT performance. Manufacturers are developing advanced PBAT grades with improved mechanical strength, flexibility, and compostability characteristics. These innovations are expanding the polymer's application scope beyond packaging and agriculture to include textiles, non-woven materials, and specialty industrial products. Ongoing R&D investments are expected to improve cost competitiveness and broaden market opportunities.

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### Growing Adoption in Compostable Consumer Products

PBAT is increasingly used in the production of compostable consumer products such as shopping bags, garbage bags, and food service ware. The rising popularity of eco-friendly consumer goods and sustainable packaging solutions has fueled the demand for PBAT-based products across supermarkets, restaurants, and hospitality sectors. Businesses are adopting

biodegradable alternatives to align with corporate sustainability commitments and meet evolving consumer expectations.

## Increasing Investments in Bioplastics Manufacturing

Global investments in bioplastics manufacturing facilities are accelerating the expansion of the PBAT market. Several chemical companies and polymer manufacturers are increasing production capacities to meet the growing demand for biodegradable polymers. Strategic partnerships, mergers, and joint ventures are enabling companies to scale up production capabilities while improving supply chain efficiency.

## Strong Growth in Asia-Pacific Markets

Asia-Pacific is emerging as one of the fastest-growing regions in the PBAT market, driven by rapid industrialization, increasing environmental awareness, and supportive government policies. Countries such as China, Japan, and South Korea are promoting biodegradable plastics to tackle severe plastic waste challenges. Additionally, strong demand from the packaging and agriculture sectors is contributing to regional market expansion.

## Market Segmentation

### By Grade

- Extrusion Grade
- Thermoforming grade

### By Application

- Flexible Packaging
- Compostable Bags
- Agricultural Mulch Films
- Compostable Food Service Ware
- Fibers & Non-Woven

### By Region

- North America
- Europe
- East Asia
- South Asia Oceania
- Latin America
- Middle East & Africa

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## Company Insights

- BASF SE
- Chang Chun Group
- Kingfa Sci. & Tech. Co., Ltd.
- Novamont S.p.A.
- GO YEN Chemical Industrial Co., Ltd.
- Anhui Jumei Biological Technology Co., Ltd.
- Hangzhou Peijin Chemical Co., Ltd.
- Jin Hui Zao Long High Tech Co., Ltd.
- TEN Zimmer GmbH
- Mitsui Plastics, Inc.
- Zhejiang Biodegradable Biomaterials Co., Ltd.
- Hengli Group Co., Ltd.

## Future Outlook

The future outlook for the polybutylene adipate terephthalate market remains highly optimistic as sustainability continues to reshape the global plastics industry. Growing environmental concerns, stricter regulatory frameworks, and increasing consumer preference for eco-friendly products will continue to drive PBAT adoption. Furthermore, advancements in biodegradable polymer technology and scaling production efficiencies are expected to reduce costs and expand the commercial viability of PBAT materials.

As industries worldwide move toward circular economy models and sustainable material solutions, PBAT is expected to play a crucial role in replacing conventional plastics in packaging, agriculture, and consumer products. With strong regulatory support and continuous innovation, the global PBAT market is poised for steady and substantial growth through 2033.

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modern tools, we provide actionable insights to multinational corporations, consultants, investors, and government bodies, earning strong trust through long-term client relationships.

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