

# Polylactic Acid Market to Skyrocket to USD 4.0 Billion by 2030, Registering a Robust CAGR of Over 17.2%

*The bio-medical segment is anticipated to register the highest CAGR of 20.2% through 2030, owing to the increasing adoption of PLA for biomedical applications.*

WILMINGTON, DE, UNITED STATES, July 30, 2025 /EINPresswire.com/ -- The global [polylactic acid \(PLA\) market](#) is experiencing significant growth, driven by the expanding construction and building sectors, along with the growing recognition of PLA's advantages in construction applications.



Polylactic Acid Market Key Growth

According to a report published by Allied Market Research, titled "Polylactic Acid Market by End Use Industry (Packaging, Textile, Agricultural, Electronics, Bio-Medical, and Others): Global Opportunity Analysis and Industry Forecast, 2021–2030," the market was valued at \$0.7 billion in 2020 and is projected to reach \$4.0 billion by 2030, growing at a CAGR of 17.2% during the forecast period.

For more information, contact Allied Market Research at:

<https://www.alliedmarketresearch.com/request-sample/78>

Key Market Drivers:

The PLA market is being propelled by:

- Rapid expansion in the construction and building sectors
- Increased utilization of PLA due to its sustainability, biodegradability, and performance characteristics

However, certain limitations regarding the use of PLA in construction packaging may hinder growth slightly. Nonetheless, the growing need for effective waste management solutions is expected to open up promising opportunities in the near future.

#### Segment Highlights:-

##### Packaging Segment Dominates:

By end-use industry, the packaging segment accounted for nearly 90% of the total market revenue in 2020. This dominance is attributed to rising demand for ready-to-eat meals, snacks, and other packaged goods.

##### Bio-Medical Segment to Witness Fastest Growth:

The bio-medical segment is anticipated to register the highest CAGR of 20.2% through 2030, owing to the increasing adoption of PLA for biomedical applications such as implants, sutures, and drug delivery systems thanks to its biodegradability, mechanical strength, and biocompatibility.

#### Regional Insights:-

##### Europe Leads the Market:

Europe, followed by North America, held the largest market share in 2020, contributing to nearly 50% of the global PLA market. This is primarily due to strong demand in the biomedical and packaging sectors.

##### Asia-Pacific Emerges as Fastest Growing Region:

Asia-Pacific is expected to grow at the fastest CAGR of 18.4% from 2021 to 2030. The region's growth is driven by rapid industrialization and rising demand across textile, electronics, and agriculture sectors, particularly in response to a growing population.

#### Key Market Players:

- NatureWorks LLC
- Corbion Purac
- Hisun Biomaterials
- Futerro
- Synbra
- Nantong Jiuding Biological Engineering Co. Ltd.
- Chongqing Bofei Biochemical Products, Ltd.

These players are actively investing in R&D and strategic collaborations to enhance PLA production capabilities and application diversity.

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<https://www.alliedmarketresearch.com/polylactic-acid-market/purchase-options>

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