

Market Study: Polylactic Acid (PLA)



World Report (1st edition)

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This brochure provides further information on the study “Polylactic Acid (PLA) - World (1st ed.)”

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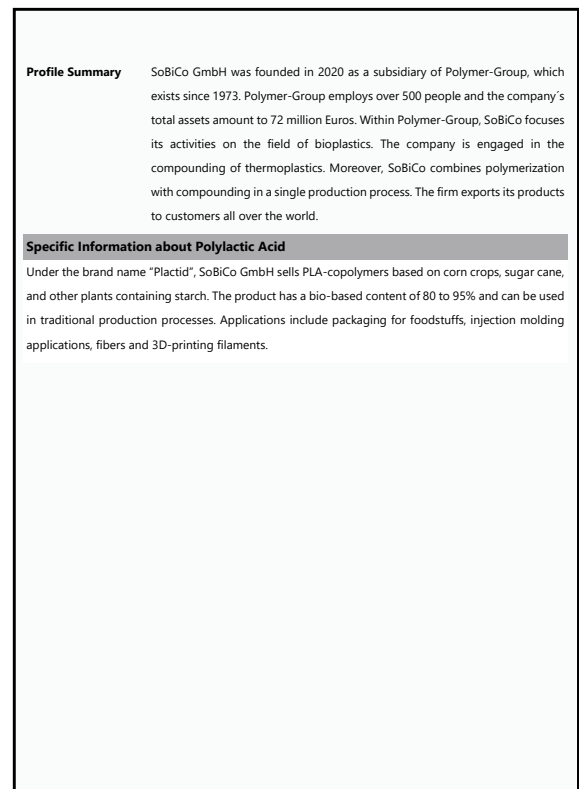
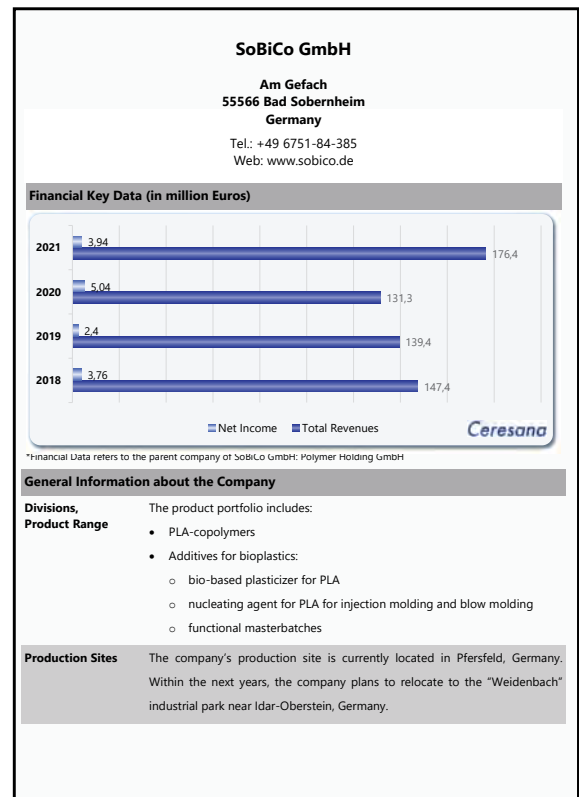
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*Note: The profiles are assigned to the country in which the company or holding is headquartered. Profiles also include JVs and subsidiaries.

Market Study: "Polylactic Acid (PLA) - World (1st edition)"

11 Countries, 47 Producers, 160 Pages, 43 Graphs, 50 Tables, 03/2023

Summary

Cutting-edge technology from the field: Polylactic acid, or PLA for short, is one of the most important raw materials for 3D printing but also for medical sewing thread and implants. Less spectacular but strongly growing areas of application for this bioplastic are viewing windows of bread bags and other packaging materials. The new Ceresana market study forecasts that PLA sales will reach USD 3.7 billion by 2032.

PLA has a wide range of applications, from simple fastening clips for agriculture to cosmetic fillers. The packaging industry is currently the most important market for PLA with a share of around 65%. Ceresana expects flexible packaging to grow at a rate of 15.2% per year. Globally, Ceresana expects the demand for PLA to quadruple over the next ten years.

The current market report "Polylactic Acid (PLA)":

Chapter 1 of the study provides a comprehensive depiction and analysis of the market - including forecasts up to 2032: demand, revenues, and production is presented for the regions of Europe, North America, Asia-Pacific and "Rest of the World". Additionally, the following applications are examined individually.

- Rigid packaging
- Flexible packaging (Bags, Sacks, and others)
- Consumer
- Automotive and Electronics
- Textiles and fibers
- Other applications

In **Chapter 2**, the countries with the largest sales are considered individually: Germany, France, United Kingdom, Italy, Netherlands, Spain, the USA, China, Japan, South Korea and Taiwan. In each case revenues and demand for the individual applications are presented.

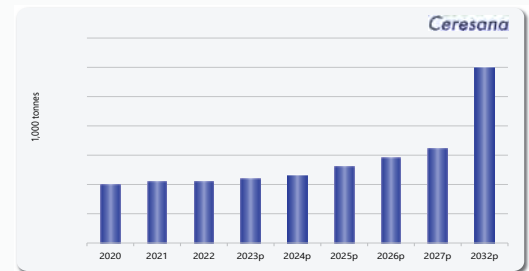
Chapter 3 provides 47 company profiles of the top producers, arranged by contact details, revenues, profit, product range, production sites and brief profile. Detailed profiles are supplied by 47 manufacturers, for example, Evonik, Nature Works, Futerro, Bewi Synbra, Total Corbion, and Danimer.

2.1 Europe

2.1.1 Germany

The demand for PLA in Germany amounted to X tonnes in 2022. We expect demand to increase by X % p.a. on average and to be around X tonnes by 2032.

Revenues generated with PLA totaled about EUR X million in 2022. We expect an average increase of X% p.a. by 2032.



Graph: Demand in Germany from 2020 to 2032

Revenues	2020	2021	2022	2023p	2024p	2025p	2026p	2027p	2028p	2029p	2030p	2031p	2032p	2022-2032
Million USD	X	X	X	X	X	X	X	X	X	X	X	X	X	X% p.a.
Million EUR	X	X	X	X	X	X	X	X	X	X	X	X	X	X% p.a.

Table: Revenues generated in Germany from 2020 to 2032, in million USD and million EUR

in 1,000 tonnes	2020	2021	2022	2023p	2024p	2025p	2026p	2027p	2028p	2029p	2030p	2031p	2032p	2022-2032
Rigid packaging	X	X	X	X	X	X	X	X	X	X	X	X	X	X% p.a.
Flexible packaging	X	X	X	X	X	X	X	X	X	X	X	X	X	X% p.a.
Consumer	X	X	X	X	X	X	X	X	X	X	X	X	X	X% p.a.
Automotive / E&E	X	X	X	X	X	X	X	X	X	X	X	X	X	X% p.a.
Textiles / Fibers	X	X	X	X	X	X	X	X	X	X	X	X	X	X% p.a.
Others	X	X	X	X	X	X	X	X	X	X	X	X	X	X% p.a.
Total	X	X	X	X	X	X	X	X	X	X	X	X	X	X% p.a.

Table: Demand in Germany from 2020 to 2032 – split by application

The largest share of total demand for PLA in 2022 was accounted for by the application area "Flexible Packaging". Over the next ten years, demand in the application area "Textiles / Fibers" is expected to develop the most dynamically at rates of X%.

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