

Poly Lactic Acid (PLA) Market by Grade (Thermoforming, Extrusion, Injection Molding, Blow Molding), Application (Rigid Thermoform), End-use Industry (Packaging, Consumer Goods, Agricultural, Textile, Biomedical) & Region - Global Forecast to 2028

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Abstracts

The global PLA market is projected to reach USD 3.3 billion by 2028, at a CAGR of 17.1% from USD 1.5 billion in 2023. Rising demand of PLA in packaging industry, government regulations in Europe, increased focus of government on green procurement policies, and shift in consumer preference toward eco-friendly and biodegradable plastic products and growing consumer awareness are expected to offer significant growth opportunities to manufacturers of PLA.

“The consumer goods end use industry accounted for the second largest share in the end-use industry segment of PLA market in terms of value.”

The consumer goods end-use industry holds the second largest share in the PLA market. PLA is a bio-based and biodegradable polymer, making it an environmentally friendly alternative to traditional plastics. Consumer goods companies increasingly prioritize sustainability and are actively seeking eco-friendly materials for their products. Moreover, PLA possesses excellent processability, enabling its use in a wide range of consumer goods such as packaging, disposable cutlery, textiles, and personal care items. Its versatility, combined with its eco-friendly nature, makes PLA a preferred choice for manufacturers and consumers alike, thus driving its significant presence in the consumer goods segment of the PLA market.

“Thermoforming grade accounted for the largest share in the grade segment of PLA market, in terms of value.”

The demand for thermoforming grade PLA is high in the PLA market due to its characteristics that make it highly suitable for thermoforming processes. Thermoforming involves heating a plastic sheet and shaping it to desired forms. Thermoforming grade PLA excels in heat resistance, dimensional stability, and clarity, making it an excellent choice for packaging, disposable food containers, and consumer products. Its transparent nature allows for attractive product displays, while its ability to retain shape and withstand high temperatures ensures durability. Additionally, the biodegradable and renewable nature of PLA aligns with consumers' preference for eco-friendly packaging solutions, further fueling the demand for thermoforming grade PLA.

“Europe is the largest market for PLA”

The stringent government regulations and bans on single-use plastics have made Europe the leading market for PLA. The region's emphasis on sustainable practices has prompted significant investments in innovative packaging solutions to cater to consumer preferences. Notably, countries like Germany and the UK, with well-established food and beverage industries, especially in packaged food, are further driving the demand for PLA due to their environmentally conscious rules and regulations. This trend is projected to fuel the growth of the PLA market in the foreseeable future.

In-depth interviews were conducted with Chief Executive Officers (CEOs), marketing directors, other innovation and technology directors, and executives from various key organizations operating in the PLA market, and information was gathered from secondary research to determine and verify the market size of several segments.

By Company Type: Tier 1 – 35%, Tier 2 – 45%, and Tier 3 – 20%

By Designation: C Level Executives– 35%, Directors – 25%, and Others – 40%

By Region: APAC – 40%, Europe – 30%, North America – 20%, the Middle East & Africa –5%, and South America- 5%

The PLA market comprises major players such as NatureWorks LLC (US), Total Corbion PLA (Netherlands), BASF SE (Germany), Futerro (Belgium), COFCO (China), Mitsubishi Chemicals Corporation (Japan), Danimer Scientific (US), UNITIKA

LTD.(Japan), Evonik Industries (Germany), and TORAY INDUSTRIES, INC (Japan), and others. The study includes in-depth competitive analysis of these key players in the PLA market, with their company profiles, recent developments, and key market strategies.

Research Coverage

This report segments the market for PLA market on the basis of grade, application, end-use industry, and region, and provides estimations for the overall value of the market across various regions. A detailed analysis of key industry players has been conducted to provide insights into their business overviews, products & services, key strategies, new product launches, expansions, and mergers & acquisition associated with the market for PLA market.

Key benefits of buying this report

This research report is focused on various levels of analysis — industry analysis (industry trends), market ranking analysis of top players, and company profiles, which together provide an overall view on the competitive landscape; emerging and high-growth segments of the PLA market; high-growth regions; and market drivers, restraints, opportunities, and challenges.

The report provides insights on the following pointers:

Market Penetration: Comprehensive information on PLA market offered by top players in the global HTF market.

Analysis of drivers: (Changing consumer preference toward eco-friendly plastic product, increasing use in packaging and compostable bag applications), restraints (Higher prices of PLA than Conventional Plastic), opportunities (Development of new applications, high potential in emerging countries of APAC) and challenges (Performance issue, expensive and complex production process) influencing the growth of thermal management solutions market

Product Development/Innovation: Detailed insights on upcoming technologies, research & development activities, and new product launches in the PLA market.

Market Development: Comprehensive information about lucrative emerging

markets — the report analyzes the markets for PLA market across regions.

Market Capacity: Production capacities of companies producing PLA are provided wherever available with upcoming capacities for the PLA market.

Competitive Assessment: In-depth assessment of market shares, strategies, products, and manufacturing capabilities of leading players in the PLA market

Contents

1 INTRODUCTION

1.1 STUDY OBJECTIVES

1.2 MARKET DEFINITION

1.3 INCLUSIONS & EXCLUSIONS

TABLE 1 POLYLACTIC ACID MARKET: INCLUSIONS & EXCLUSIONS

1.4 STUDY SCOPE

1.4.1 MARKETS COVERED

FIGURE 1 POLYLACTIC ACID MARKET SEGMENTATION

1.4.2 REGIONS COVERED

1.4.3 YEARS CONSIDERED

1.5 CURRENCY CONSIDERED

1.6 UNITS CONSIDERED

1.7 LIMITATIONS

1.8 STAKEHOLDERS

1.9 SUMMARY OF CHANGES

1.10 RECESSION IMPACT ON POLYLACTIC ACID MARKET

2 RESEARCH METHODOLOGY

2.1 RESEARCH DATA

FIGURE 2 POLYLACTIC ACID MARKET: RESEARCH DESIGN

2.1.1 SECONDARY DATA

2.1.1.1 List of major secondary sources

2.1.1.2 Key data from secondary sources

2.1.2 PRIMARY DATA

2.1.2.1 Key data from primary sources

2.1.3 PRIMARIES

2.1.3.1 Primary interviews – Demand and supply sides

2.1.3.2 Key industry insights

2.1.3.3 Breakdown of primary interviews

2.2 MARKET SIZE ESTIMATION

FIGURE 3 MARKET SIZE ESTIMATION: APPROACH 1

FIGURE 4 MARKET SIZE ESTIMATION: APPROACH 2

2.2.1 TOP-DOWN APPROACH

2.2.1.1 Approach for arriving at market size using top-down analysis

FIGURE 5 TOP-DOWN APPROACH

2.2.2 BOTTOM-UP APPROACH

2.2.2.1 Approach for arriving at market size using bottom-up analysis

FIGURE 6 BOTTOM-UP APPROACH

2.3 FORECAST NUMBER CALCULATION

FIGURE 7 DEMAND-SIDE FORECAST PROJECTIONS

2.4 DATA TRIANGULATION

FIGURE 8 POLYLACTIC ACID MARKET: DATA TRIANGULATION

2.5 FACTOR ANALYSIS

2.6 ASSUMPTIONS

2.7 LIMITATIONS & RISKS ASSOCIATED WITH POLYLACTIC ACID MARKET

3 EXECUTIVE SUMMARY

FIGURE 9 THERMOFORMING GRADE TO LEAD POLYLACTIC ACID MARKET DURING FORECAST PERIOD

FIGURE 10 RIGID THERMOFORMS APPLICATION TO LEAD MARKET DURING FORECAST PERIOD

FIGURE 11 PACKAGING INDUSTRY TO DOMINATE OVERALL POLYLACTIC ACID MARKET BETWEEN 2023 AND 2028

FIGURE 12 EUROPE LED POLYLACTIC ACID MARKET IN 2022

4 PREMIUM INSIGHTS

4.1 ATTRACTIVE OPPORTUNITIES FOR PLAYERS IN POLYLACTIC ACID MARKET

FIGURE 13 ASIA PACIFIC OFFERS ATTRACTIVE OPPORTUNITIES IN POLYLACTIC ACID MARKET DURING FORECAST PERIOD

4.2 POLYLACTIC ACID MARKET, BY GRADE

FIGURE 14 THERMOFORMING GRADE SEGMENT TO LEAD MARKET DURING FORECAST PERIOD

4.3 POLYLACTIC ACID MARKET, BY APPLICATION

FIGURE 15 RIGID THERMOFORMS APPLICATION TO WITNESS HIGHEST CAGR DURING FORECAST PERIOD

4.4 POLYLACTIC ACID MARKET, BY END-USE INDUSTRY

FIGURE 16 PACKAGING SEGMENT TO LEAD MARKET BY 2028

4.5 POLYLACTIC ACID MARKET, BY COUNTRY

FIGURE 17 MARKET IN JAPAN TO REGISTER HIGHEST CAGR FROM 2023 TO 2028

5 MARKET OVERVIEW

5.1 INTRODUCTION

5.2 MARKET DYNAMICS

FIGURE 18 DRIVERS, RESTRAINTS, OPPORTUNITIES, AND CHALLENGES IN POLYLACTIC ACID MARKET

5.2.1 DRIVERS

5.2.1.1 Changing consumer preference toward eco-friendly plastic products

TABLE 2 ADVERSE HEALTH EFFECTS DUE TO USE OF CONVENTIONAL PLASTICS

5.2.1.2 Increasing use in packaging and compostable bag applications

5.2.1.3 Government focus on green procurement policies and regulations

5.2.1.4 Technological advancements to encourage production of polylactic acid

5.2.2 RESTRAINTS

5.2.2.1 Higher prices of polylactic acid than conventional plastics

5.2.3 OPPORTUNITIES

5.2.3.1 Development of new applications

5.2.3.2 High potential in emerging countries of Asia Pacific

5.2.3.3 Multifunctionalities of polylactic acid

5.2.4 CHALLENGES

5.2.4.1 Performance issues

5.2.4.2 Fluctuating oil prices create volatility in demand for polylactic acid

5.2.4.3 Expensive and complex production process

5.3 PORTER'S FIVE FORCES ANALYSIS

FIGURE 19 PORTER'S FIVE FORCES ANALYSIS

TABLE 3 PORTER'S FIVE FORCES ANALYSIS

5.3.1 BARGAINING POWER OF SUPPLIERS

5.3.2 BARGAINING POWER OF BUYERS

5.3.3 THREAT OF SUBSTITUTES

5.3.4 THREAT OF NEW ENTRANTS

5.3.5 INTENSITY OF COMPETITIVE RIVALRY

5.4 VALUE CHAIN ANALYSIS

FIGURE 20 OVERVIEW OF POLYLACTIC ACID MARKET VALUE CHAIN

5.4.1 RAW MATERIAL SUPPLIERS

5.4.2 MANUFACTURERS

5.4.3 DISTRIBUTORS

5.4.4 END-CONSUMERS

5.4.5 SUPPLIERS OF POLYLACTIC ACID MANUFACTURING EQUIPMENT

5.5 PATENT ANALYSIS

5.5.1 METHODOLOGY

5.5.2 PATENTS GRANTED WORLDWIDE, 2012–2022

TABLE 4 TOTAL NUMBER OF PATENTS

5.5.3 PATENT PUBLICATION TRENDS

FIGURE 21 TOTAL NUMBER OF PATENTS DURING LAST 10 YEARS

5.5.4 INSIGHTS

5.5.5 LEGAL STATUS OF PATENTS

FIGURE 22 PATENT ANALYSIS, BY LEGAL STATUS

5.5.6 JURISDICTION-WISE PATENT ANALYSIS

FIGURE 23 TOP JURISDICTIONS FOR POLYLACTIC ACID PATENTS

5.5.7 TOP COMPANIES/APPLICANTS

FIGURE 24 TOP 10 COMPANIES/APPLICANTS WITH HIGHEST NUMBER OF PATENTS

5.5.8 TOP 10 PATENT OWNERS (US) DURING LAST 10 YEARS

TABLE 5 TOP TEN PATENT OWNERS

5.6 PRICE ANALYSIS

5.6.1 AVERAGE SELLING PRICE OF POLYLACTIC ACID, BY REGION

FIGURE 25 AVERAGE SELLING PRICE, BY REGION (USD/KG)

5.6.2 AVERAGE SELLING PRICE OF POLYLACTIC ACID, BY GRADE

FIGURE 26 AVERAGE SELLING PRICE, BY GRADE (USD/KG)

5.6.3 AVERAGE SELLING PRICE OF POLYLACTIC ACID, BY END-USE INDUSTRY

FIGURE 27 AVERAGE SELLING PRICE, BY END-USE INDUSTRY (USD/KG)

5.6.4 AVERAGE SELLING PRICE, BY TOP THREE MARKET PLAYERS

FIGURE 28 AVERAGE SELLING PRICE, BY TOP THREE MARKET PLAYERS (USD/KG)

5.7 MANUFACTURING PROCESS OF POLYLACTIC ACID

FIGURE 29 MANUFACTURING PROCESSES OF PLA THROUGH LACTIC ACID

FIGURE 30 MANUFACTURING PROCESSES OF POLYLACTIC ACID THROUGH LACTIDE

5.7.1 RAW MATERIAL PREPARATION

5.7.2 LACTIDE PRODUCTION

5.7.3 LACTIDE PURIFICATION

5.7.4 LACTIDE DEPOLYMERIZATION

5.7.5 POLYMERIZATION CONTROL

5.7.6 POLYMER PURIFICATION AND PROCESSING

5.7.7 POST-PROCESSING AND FINISHING

5.7.8 PRODUCT MANUFACTURING

5.8 RAW MATERIAL ANALYSIS

5.8.1 STARCH

5.8.2 TAPIOCA ROOT

5.8.3 WOOD CHIPS

5.8.4 SUGARCANE

5.9 ECOSYSTEM/MARKET MAPPING

FIGURE 31 ECOSYSTEM MAPPING

TABLE 6 ECOSYSTEM

5.10 CASE STUDIES

5.10.1 NATUREWOKS LLC HELPS SHANGHAI TUOZHUO IN IMPROVING PERFORMANCE AND REDUCING COST AND MAINTENANCE OF WOOD MOLDS FOR METAL CASTING

5.10.2 NATUREWORKS LLC PROVIDES INGENEO POLYLACTIC ACID FILAMENT TO EARL E. BAKKEN MEDICAL DEVICE CENTER TO STREAMLINE ITS 3D PROTOTYPING

5.11 REGULATORY LANDSCAPE

5.11.1 NORTH AMERICA

5.11.1.1 US

5.11.1.2 Canada

5.11.2 ASIA PACIFIC

5.11.3 EUROPE

TABLE 7 REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS

5.12 TRADE ANALYSIS

5.12.1 IMPORT–EXPORT SCENARIO OF POLYLACTIC ACID MARKET

TABLE 8 IMPORT TRADE DATA FOR POLYLACTIC ACID

TABLE 9 EXPORT TRADE DATA FOR POLYLACTIC ACID

5.13 TRENDS/DISRUPTIONS IMPACTING CUSTOMER BUSINESS

FIGURE 32 TRENDS IN POLYLACTIC ACID MARKET

5.14 KEY CONFERENCES & EVENTS, 2023–2024

TABLE 10 DETAILED LIST OF CONFERENCES & EVENTS

5.15 KEY FACTORS AFFECTING BUYING DECISIONS

5.15.1 PRICE

5.15.2 SUSTAINABILITY

5.15.3 PERFORMANCE

5.15.4 AVAILABILITY

5.15.5 REGULATIONS

5.15.6 BRAND REPUTATION

5.15.7 MARKET TRENDS

5.15.8 APPLICATION

5.16 TECHNOLOGY ANALYSIS

5.16.1 DEVELOPMENT OF NANOCELLULOSE AND NANOCOMPOSITES

6 POLYLACTIC ACID MARKET, BY RAW MATERIAL

6.1 INTRODUCTION

6.2 SUGARCANE

6.3 CORN

6.4 CASSAVA

6.5 SUGAR BEET

6.6 OTHERS

7 POLYLACTIC ACID MARKET, BY APPLICATION

7.1 INTRODUCTION

FIGURE 33 RIGID THERMOFORMS TO BE LARGEST SEGMENT OF POLYLACTIC ACID MARKET

TABLE 11 POLYLACTIC ACID MARKET, BY APPLICATION, 2019–2022 (USD MILLION)

TABLE 12 POLYLACTIC ACID MARKET, BY APPLICATION, 2023–2028 (USD MILLION)

TABLE 13 POLYLACTIC ACID MARKET, BY APPLICATION, 2019–2022 (KILOTON)

TABLE 14 POLYLACTIC ACID MARKET, BY APPLICATION, 2023–2028 (KILOTON)

7.2 RIGID THERMOFORMS

7.3 FILMS & SHEETS

7.4 BOTTLES

7.5 OTHERS

8 POLYLACTIC ACID MARKET, BY END-USE INDUSTRY

8.1 INTRODUCTION

FIGURE 34 PACKAGING END-USE INDUSTRY TO LEAD OVERALL POLYLACTIC ACID MARKET

TABLE 15 POLYLACTIC ACID MARKET, BY END-USE INDUSTRY, 2019–2022 (USD MILLION)

TABLE 16 POLYLACTIC ACID MARKET, BY END-USE INDUSTRY, 2023–2028 (USD MILLION)

TABLE 17 POLYLACTIC ACID MARKET, BY END-USE INDUSTRY, 2019–2022 (KILOTON)

TABLE 18 POLYLACTIC ACID MARKET, BY END-USE INDUSTRY, 2023–2028 (KILOTON)

8.2 PACKAGING

8.2.1 FOOD PACKAGING

8.2.2 NON-FOOD PACKAGING

8.3 CONSUMER GOODS

8.3.1 ELECTRICAL APPLIANCES

8.3.2 DOMESTIC APPLIANCES

8.4 AGRICULTURE

8.4.1 PLANTER BOXES

8.4.2 TAPES & MULCH FILMS

8.4.3 NETTING

8.5 TEXTILE

8.5.1 DIAPERS AND WIPES

8.5.2 FEMALE HYGIENE

8.5.3 PERSONAL CARE, CLOTHES, DISPOSABLE GARMENTS, MEDICAL & HEALTHCARE, AND OTHER TEXTILES

8.6 BIO-MEDICAL

8.6.1 MEDICAL PLATES & SCREWS

8.6.2 IMPLANTS

8.7 OTHERS

9 POLYLACTIC ACID MARKET, BY GRADE

9.1 INTRODUCTION

FIGURE 35 THERMOFORMING GRADE TO BE LARGEST SEGMENT OF POLYLACTIC ACID MARKET

TABLE 19 POLYLACTIC ACID MARKET, BY GRADE, 2019–2022 (USD MILLION)

TABLE 20 POLYLACTIC ACID MARKET, BY GRADE, 2023–2028 (USD MILLION)

TABLE 21 POLYLACTIC ACID MARKET, BY GRADE, 2019–2022 (KILOTON)

TABLE 22 POLYLACTIC ACID MARKET, BY GRADE, 2023–2028 (KILOTON)

9.2 THERMOFORMING

9.3 INJECTION MOLDING

9.4 EXTRUSION

9.5 BLOW MOLDING

9.6 OTHERS

10 POLYLACTIC ACID MARKET, BY REGION

10.1 INTRODUCTION

TABLE 23 POLYLACTIC ACID MARKET, BY REGION, 2019–2022 (USD MILLION)

TABLE 24 POLYLACTIC ACID MARKET, BY REGION, 2023–2028 (USD MILLION)

TABLE 25 POLYLACTIC ACID MARKET, BY REGION, 2019–2022 (KILOTON)

TABLE 26 POLYLACTIC ACID MARKET, BY REGION, 2023–2028 (KILOTON)

10.2 ASIA PACIFIC

FIGURE 36 ASIA PACIFIC: POLYLACTIC ACID MARKET SNAPSHOT

TABLE 27 ASIA PACIFIC: POLYLACTIC ACID MARKET, BY COUNTRY, 2019–2022 (USD MILLION)

TABLE 28 ASIA PACIFIC: POLYLACTIC ACID MARKET, BY COUNTRY, 2023–2028 (USD MILLION)

TABLE 29 ASIA PACIFIC: POLYLACTIC ACID MARKET, BY COUNTRY, 2019–2022 (KILOTON)

TABLE 30 ASIA PACIFIC: POLYLACTIC ACID MARKET, BY COUNTRY, 2023–2028 (KILOTON)

TABLE 31 ASIA PACIFIC: POLYLACTIC ACID MARKET, BY APPLICATION, 2019–2022 (USD MILLION)

TABLE 32 ASIA PACIFIC: POLYLACTIC ACID MARKET, BY APPLICATION, 2023–2028 (USD MILLION)

TABLE 33 ASIA PACIFIC: POLYLACTIC ACID MARKET, BY APPLICATION, 2019–2022 (KILOTON)

TABLE 34 ASIA PACIFIC: POLYLACTIC ACID MARKET, BY APPLICATION, 2023–2028 (KILOTON)

TABLE 35 ASIA PACIFIC: POLYLACTIC ACID MARKET, BY GRADE, 2019–2022 (USD MILLION)

TABLE 36 ASIA PACIFIC: POLYLACTIC ACID MARKET, BY GRADE, 2023–2028 (USD MILLION)

TABLE 37 ASIA PACIFIC: POLYLACTIC ACID MARKET, BY GRADE, 2019–2022 (KILOTON)

TABLE 38 ASIA PACIFIC: POLYLACTIC ACID MARKET, BY GRADE, 2023–2028 (KILOTON)

TABLE 39 ASIA PACIFIC: POLYLACTIC ACID MARKET, BY RAW MATERIAL, 2019–2022 (USD MILLION)

TABLE 40 ASIA PACIFIC: POLYLACTIC ACID MARKET, BY RAW MATERIAL, 2023–2028 (USD MILLION)

TABLE 41 ASIA PACIFIC: POLYLACTIC ACID MARKET, BY RAW MATERIAL, 2019–2022 (KILOTON)

TABLE 42 ASIA PACIFIC: POLYLACTIC ACID MARKET, BY RAW MATERIAL, 2023–2028 (KILOTON)

TABLE 43 ASIA PACIFIC: POLYLACTIC ACID MARKET, BY END-USE INDUSTRY, 2019–2022 (USD MILLION)

TABLE 44 ASIA PACIFIC: POLYLACTIC ACID MARKET, BY END-USE INDUSTRY, 2023–2028 (USD MILLION)

TABLE 45 ASIA PACIFIC: POLYLACTIC ACID MARKET, BY END-USE INDUSTRY, 2019–2022 (KILOTON)

TABLE 46 ASIA PACIFIC: POLYLACTIC ACID MARKET, BY END-USE INDUSTRY, 2023–2028 (KILOTON)

10.2.1 IMPACT OF RECESSION ON ASIA PACIFIC

10.2.2 CHINA

10.2.2.1 Increasing use of polylactic acid by packaging and consumer goods industries to drive market

TABLE 47 CHINA: POLYLACTIC ACID MARKET, BY END-USE INDUSTRY, 2019–2022 (USD MILLION)

TABLE 48 CHINA: POLYLACTIC ACID MARKET, BY END-USE INDUSTRY, 2023–2028 (USD MILLION)

TABLE 49 CHINA: POLYLACTIC ACID MARKET, BY END-USE INDUSTRY, 2019–2022 (KILOTON)

TABLE 50 CHINA: POLYLACTIC ACID MARKET, BY END-USE INDUSTRY, 2023–2028 (KILOTON)

10.2.3 INDIA

10.2.3.1 Ban on single-use plastics and NGO initiatives to boost market

TABLE 51 INDIA: POLYLACTIC ACID MARKET, BY END-USE INDUSTRY, 2019–2022 (USD MILLION)

TABLE 52 INDIA: POLYLACTIC ACID MARKET, BY END-USE INDUSTRY, 2023–2028 (USD MILLION)

TABLE 53 INDIA: POLYLACTIC ACID MARKET, BY END-USE INDUSTRY, 2019–2022 (KILOTON)

TABLE 54 INDIA: POLYLACTIC ACID MARKET, BY END-USE INDUSTRY, 2023–2028 (KILOTON)

10.2.4 JAPAN

10.2.4.1 Research on development of better polylactic acid grades to drive market

TABLE 55 JAPAN: POLYLACTIC ACID MARKET, BY END-USE INDUSTRY, 2019–2022 (USD MILLION)

TABLE 56 JAPAN: POLYLACTIC ACID MARKET, BY END-USE INDUSTRY, 2023–2028 (USD MILLION)

TABLE 57 JAPAN: POLYLACTIC ACID MARKET, BY END-USE INDUSTRY, 2019–2022 (KILOTON)

TABLE 58 JAPAN: POLYLACTIC ACID MARKET, BY END-USE INDUSTRY, 2023–2028 (KILOTON)

10.2.5 SOUTH KOREA

10.2.5.1 Government policies to support market growth

TABLE 59 SOUTH KOREA: POLYLACTIC ACID MARKET, BY END-USE INDUSTRY, 2019–2022 (USD MILLION)

TABLE 60 SOUTH KOREA: POLYLACTIC ACID MARKET, BY END-USE INDUSTRY, 2023–2028 (USD MILLION)

TABLE 61 SOUTH KOREA: POLYLACTIC ACID MARKET, BY END-USE INDUSTRY, 2019–2022 (KILOTON)

TABLE 62 SOUTH KOREA: POLYLACTIC ACID MARKET, BY END-USE INDUSTRY, 2023–2028 (KILOTON)

10.2.6 REST OF ASIA PACIFIC

TABLE 63 REST OF ASIA PACIFIC: POLYLACTIC ACID MARKET, BY END-USE INDUSTRY, 2019–2022 (USD MILLION)

TABLE 64 REST OF ASIA PACIFIC: POLYLACTIC ACID MARKET, BY END-USE INDUSTRY, 2023–2028 (USD MILLION)

TABLE 65 REST OF ASIA PACIFIC: POLYLACTIC ACID MARKET, BY END-USE INDUSTRY, 2019–2022 (KILOTON)

TABLE 66 REST OF ASIA PACIFIC: POLYLACTIC ACID MARKET, BY END-USE INDUSTRY, 2023–2028 (KILOTON)

10.3 EUROPE

FIGURE 37 EUROPE: POLYLACTIC ACID MARKET SNAPSHOT

TABLE 67 EUROPE: POLYLACTIC ACID MARKET, BY COUNTRY, 2019–2022 (USD MILLION)

TABLE 68 EUROPE: POLYLACTIC ACID MARKET, BY COUNTRY, 2023–2028 (USD MILLION)

TABLE 69 EUROPE: POLYLACTIC ACID MARKET, BY COUNTRY, 2019–2022 (KILOTON)

TABLE 70 EUROPE: POLYLACTIC ACID MARKET, BY COUNTRY, 2023–2028 (KILOTON)

TABLE 71 EUROPE: POLYLACTIC ACID MARKET, BY APPLICATION, 2019–2022 (USD MILLION)

TABLE 72 EUROPE: POLYLACTIC ACID MARKET, BY APPLICATION, 2023–2028 (USD MILLION)

TABLE 73 EUROPE: POLYLACTIC ACID MARKET, BY APPLICATION, 2019–2022 (KILOTON)

TABLE 74 EUROPE: POLYLACTIC ACID MARKET, BY APPLICATION, 2023–2028 (KILOTON)

TABLE 75 EUROPE: POLYLACTIC ACID MARKET, BY GRADE, 2019–2022 (USD MILLION)

TABLE 76 EUROPE: POLYLACTIC ACID MARKET, BY GRADE, 2023–2028 (USD

MILLION)

TABLE 77 EUROPE: POLYLACTIC ACID MARKET, BY GRADE, 2019–2022
(KILOTON)

TABLE 78 EUROPE: POLYLACTIC ACID MARKET, BY GRADE, 2023–2028
(KILOTON)

TABLE 79 EUROPE: POLYLACTIC ACID MARKET, BY RAW MATERIAL, 2019–2022
(USD MILLION)

TABLE 80 EUROPE: POLYLACTIC ACID MARKET, BY RAW MATERIAL, 2023–2028
(USD MILLION)

TABLE 81 EUROPE: POLYLACTIC ACID MARKET, BY RAW MATERIAL, 2019–2022
(KILOTON)

TABLE 82 EUROPE: POLYLACTIC ACID MARKET, BY RAW MATERIAL, 2023–2028
(KILOTON)

TABLE 83 EUROPE: POLYLACTIC ACID MARKET, BY END-USE INDUSTRY,
2019–2022 (USD MILLION)

TABLE 84 EUROPE: POLYLACTIC ACID MARKET, BY END-USE INDUSTRY,
2023–2028 (USD MILLION)

TABLE 85 EUROPE: POLYLACTIC ACID MARKET, BY END-USE INDUSTRY,
2019–2022 (KILOTON)

TABLE 86 EUROPE: POLYLACTIC ACID MARKET, BY END-USE INDUSTRY,
2023–2028 (KILOTON)

10.3.1 IMPACT OF RECESSION ON EUROPE

10.3.2 GERMANY

10.3.2.1 Ban on conventional plastics to drive market

TABLE 87 GERMANY: POLYLACTIC ACID MARKET, BY END-USE INDUSTRY,
2019–2022 (USD MILLION)

TABLE 88 GERMANY: POLYLACTIC ACID MARKET, BY END-USE INDUSTRY,
2023–2028 (USD MILLION)

TABLE 89 GERMANY POLYLACTIC ACID MARKET, BY END-USE INDUSTRY,
2019–2022 (KILOTON)

TABLE 90 GERMANY POLYLACTIC ACID MARKET, BY END-USE INDUSTRY,
2023–2028 (KILOTON)

10.3.3 UK

10.3.3.1 Stringent regulations regarding use of single-use plastics to drive market

TABLE 91 UK: POLYLACTIC ACID MARKET, BY END-USE INDUSTRY, 2019–2022
(USD MILLION)

TABLE 92 UK: POLYLACTIC ACID MARKET, BY END-USE INDUSTRY, 2023–2028
(USD MILLION)

TABLE 93 UK: POLYLACTIC ACID MARKET, BY END-USE INDUSTRY, 2019–2022

(KILOTON)

TABLE 94 UK: POLYLACTIC ACID MARKET, BY END-USE INDUSTRY, 2023–2028

(KILOTON)

10.3.4 FRANCE

10.3.4.1 Government initiatives to promote use of bioplastics to drive demand

TABLE 95 FRANCE: POLYLACTIC ACID MARKET, BY END-USE INDUSTRY, 2019–2022 (USD MILLION)

TABLE 96 FRANCE: POLYLACTIC ACID MARKET, BY END-USE INDUSTRY, 2023–2028 (USD MILLION)

TABLE 97 FRANCE: POLYLACTIC ACID MARKET, BY END-USE INDUSTRY, 2019–2022 (KILOTON)

TABLE 98 FRANCE: POLYLACTIC ACID MARKET, BY END-USE INDUSTRY, 2023–2028 (KILOTON)

10.3.5 ITALY

10.3.5.1 Food packaging industry to drive demand

TABLE 99 ITALY: POLYLACTIC ACID MARKET, BY END-USE INDUSTRY, 2019–2022 (USD MILLION)

TABLE 100 ITALY: POLYLACTIC ACID MARKET, BY END-USE INDUSTRY, 2023–2028 (USD MILLION)

TABLE 101 ITALY: POLYLACTIC ACID MARKET, BY END-USE INDUSTRY, 2019–2022 (KILOTON)

TABLE 102 ITALY: POLYLACTIC ACID MARKET, BY END-USE INDUSTRY, 2023–2028 (KILOTON)

10.3.6 SPAIN

10.3.6.1 Rising public awareness to drive demand

TABLE 103 SPAIN: POLYLACTIC ACID MARKET, BY END-USE INDUSTRY, 2019–2022 (USD MILLION)

TABLE 104 SPAIN: POLYLACTIC ACID MARKET, BY END-USE INDUSTRY, 2023–2028 (USD MILLION)

TABLE 105 SPAIN: POLYLACTIC ACID MARKET, BY END-USE INDUSTRY, 2019–2022 (KILOTON)

TABLE 106 SPAIN: POLYLACTIC ACID MARKET, BY END-USE INDUSTRY, 2023–2028 (KILOTON)

10.3.7 REST OF EUROPE

TABLE 107 REST OF EUROPE: POLYLACTIC ACID MARKET, BY END-USE INDUSTRY, 2019–2022 (USD MILLION)

TABLE 108 REST OF EUROPE: POLYLACTIC ACID MARKET, BY END-USE INDUSTRY, 2023–2028 (USD MILLION)

TABLE 109 REST OF EUROPE: POLYLACTIC ACID MARKET, BY END-USE

INDUSTRY, 2019–2022 (KILOTON)

TABLE 110 REST OF EUROPE: POLYLACTIC ACID MARKET, BY END-USE
INDUSTRY, 2023–2028 (KILOTON)

10.4 NORTH AMERICA

TABLE 111 NORTH AMERICA: POLYLACTIC ACID MARKET, BY COUNTRY,
2019–2022 (USD MILLION)

TABLE 112 NORTH AMERICA: POLYLACTIC ACID MARKET, BY COUNTRY,
2023–2028 (USD MILLION)

TABLE 113 NORTH AMERICA: POLYLACTIC ACID MARKET, BY COUNTRY,
2019–2022 (KILOTON)

TABLE 114 NORTH AMERICA: POLYLACTIC ACID MARKET, BY COUNTRY,
2023–2028 (KILOTON)

TABLE 115 NORTH AMERICA: POLYLACTIC ACID MARKET, BY APPLICATION,
2019–2022 (USD MILLION)

TABLE 116 NORTH AMERICA: POLYLACTIC ACID MARKET, BY APPLICATION,
2023–2028 (USD MILLION)

TABLE 117 NORTH AMERICA: POLYLACTIC ACID MARKET, BY APPLICATION,
2019–2022 (KILOTON)

TABLE 118 NORTH AMERICA: POLYLACTIC ACID MARKET, BY APPLICATION,
2023–2028 (KILOTON)

TABLE 119 NORTH AMERICA: POLYLACTIC ACID MARKET, BY GRADE, 2019–2022
(USD MILLION)

TABLE 120 NORTH AMERICA: POLYLACTIC ACID MARKET, BY GRADE, 2023–2028
(USD MILLION)

TABLE 121 NORTH AMERICA: POLYLACTIC ACID MARKET, BY GRADE, 2019–2022
(KILOTON)

TABLE 122 NORTH AMERICA: POLYLACTIC ACID MARKET, BY GRADE, 2023–2028
(KILOTON)

TABLE 123 NORTH AMERICA: POLYLACTIC ACID MARKET, BY RAW MATERIAL,
2019–2022 (USD MILLION)

TABLE 124 NORTH AMERICA: POLYLACTIC ACID MARKET, BY RAW MATERIAL,
2023–2028 (USD MILLION)

TABLE 125 NORTH AMERICA: POLYLACTIC ACID MARKET, BY RAW MATERIAL,
2019–2022 (KILOTON)

TABLE 126 NORTH AMERICA: POLYLACTIC ACID MARKET, BY RAW MATERIAL,
2023–2028 (KILOTON)

TABLE 127 NORTH AMERICA: POLYLACTIC ACID MARKET, BY END-USE
INDUSTRY, 2019–2022 (USD MILLION)

TABLE 128 NORTH AMERICA: POLYLACTIC ACID MARKET, BY END-USE

INDUSTRY, 2023–2028 (USD MILLION)

TABLE 129 NORTH AMERICA: POLYLACTIC ACID MARKET, BY END-USE INDUSTRY, 2019–2022 (KILOTON)

TABLE 130 NORTH AMERICA: POLYLACTIC ACID MARKET, BY END-USE INDUSTRY, 2023–2028 (KILOTON)

10.4.1 IMPACT OF RECESSION ON NORTH AMERICA

10.4.2 US

10.4.2.1 Limitations on use of conventional plastic in packaging industry to drive market

TABLE 131 US: POLYLACTIC ACID MARKET, BY END-USE INDUSTRY, 2019–2022 (USD MILLION)

TABLE 132 US: POLYLACTIC ACID MARKET, BY END-USE INDUSTRY, 2023–2028 (USD MILLION)

TABLE 133 US: POLYLACTIC ACID MARKET, BY END-USE INDUSTRY, 2019–2022 (KILOTON)

TABLE 134 US: POLYLACTIC ACID MARKET, BY END-USE INDUSTRY, 2023–2028 (KILOTON)

10.4.3 CANADA

10.4.3.1 Stringent environmental regulations to drive demand for polylactic acid
TABLE 135 CANADA: POLYLACTIC ACID MARKET, BY END-USE INDUSTRY, 2019–2022 (USD MILLION)

TABLE 136 CANADA: POLYLACTIC ACID MARKET, BY END-USE INDUSTRY, 2023–2028 (USD MILLION)

TABLE 137 CANADA: POLYLACTIC ACID MARKET, BY END-USE INDUSTRY, 2019–2022 (KILOTON)

TABLE 138 CANADA: POLYLACTIC ACID MARKET, BY END-USE INDUSTRY, 2023–2028 (KILOTON)

10.4.4 MEXICO

10.4.4.1 Highly skilled workforce to drive polylactic acid market
TABLE 139 MEXICO: POLYLACTIC ACID MARKET, BY END-USE INDUSTRY, 2019–2022 (USD MILLION)

TABLE 140 MEXICO: POLYLACTIC ACID MARKET, BY END-USE INDUSTRY, 2023–2028 (USD MILLION)

TABLE 141 MEXICO: POLYLACTIC ACID MARKET, BY END-USE INDUSTRY, 2019–2022 (KILOTON)

TABLE 142 MEXICO: POLYLACTIC ACID MARKET, BY END-USE INDUSTRY, 2023–2028 (KILOTON)

10.5 SOUTH AMERICA

TABLE 143 SOUTH AMERICA: POLYLACTIC ACID MARKET, BY COUNTRY,

2019–2022 (USD MILLION)

TABLE 144 SOUTH AMERICA: POLYLACTIC ACID MARKET, BY COUNTRY,
2023–2028 (USD MILLION)

TABLE 145 SOUTH AMERICA: POLYLACTIC ACID MARKET, BY COUNTRY,
2019–2022 (KILOTON)

TABLE 146 SOUTH AMERICA: POLYLACTIC ACID MARKET, BY COUNTRY,
2023–2028 (KILOTON)

TABLE 147 SOUTH AMERICA: POLYLACTIC ACID MARKET, BY APPLICATION,
2019–2022 (USD MILLION)

TABLE 148 SOUTH AMERICA: POLYLACTIC ACID MARKET, BY APPLICATION,
2023–2028 (USD MILLION)

TABLE 149 SOUTH AMERICA: POLYLACTIC ACID MARKET, BY APPLICATION,
2019–2022 (KILOTON)

TABLE 150 SOUTH AMERICA: POLYLACTIC ACID MARKET, BY APPLICATION,
2023–2028 (KILOTON)

TABLE 151 SOUTH AMERICA: POLYLACTIC ACID MARKET, BY GRADE, 2019–2022
(USD MILLION)

TABLE 152 SOUTH AMERICA: POLYLACTIC ACID MARKET, BY GRADE, 2023–2028
(USD MILLION)

TABLE 153 SOUTH AMERICA: POLYLACTIC ACID MARKET, BY GRADE, 2019–2022
(KILOTON)

TABLE 154 SOUTH AMERICA: POLYLACTIC ACID MARKET, BY GRADE, 2023–2028
(KILOTON)

TABLE 155 SOUTH AMERICA: POLYLACTIC ACID MARKET, BY RAW MATERIAL,
2019–2022 (USD MILLION)

TABLE 156 SOUTH AMERICA: POLYLACTIC ACID MARKET, BY RAW MATERIAL,
2023–2028 (USD MILLION)

TABLE 157 SOUTH AMERICA: POLYLACTIC ACID MARKET, BY RAW MATERIAL,
2019–2022 (KILOTON)

TABLE 158 SOUTH AMERICA: POLYLACTIC ACID MARKET, BY RAW MATERIAL,
2023–2028 (KILOTON)

TABLE 159 SOUTH AMERICA: POLYLACTIC ACID MARKET, BY END-USE
INDUSTRY, 2019–2022 (USD MILLION)

TABLE 160 SOUTH AMERICA: POLYLACTIC ACID MARKET, BY END-USE
INDUSTRY, 2023–2028 (USD MILLION)

TABLE 161 SOUTH AMERICA: POLYLACTIC ACID MARKET, BY END-USE
INDUSTRY, 2019–2022 (KILOTON)

TABLE 162 SOUTH AMERICA: POLYLACTIC ACID MARKET, BY END-USE
INDUSTRY, 2023–2028 (KILOTON)

10.5.1 IMPACT OF RECESSION ON SOUTH AMERICA

10.5.2 BRAZIL

10.5.2.1 Abundance of raw materials to support market growth

TABLE 163 BRAZIL: POLYLACTIC ACID MARKET, BY END-USE INDUSTRY, 2019–2022 (USD MILLION)

TABLE 164 BRAZIL: POLYLACTIC ACID MARKET, BY END-USE INDUSTRY, 2023–2028 (USD MILLION)

TABLE 165 BRAZIL: POLYLACTIC ACID MARKET, BY END-USE INDUSTRY, 2019–2022 (KILOTON)

TABLE 166 BRAZIL: POLYLACTIC ACID MARKET, BY END-USE INDUSTRY, 2023–2028 (KILOTON)

10.5.3 REST OF SOUTH AMERICA

TABLE 167 REST OF SOUTH AMERICA: POLYLACTIC ACID MARKET, BY END-USE INDUSTRY, 2019–2022 (USD MILLION)

TABLE 168 REST OF SOUTH AMERICA: POLYLACTIC ACID MARKET, BY END-USE INDUSTRY, 2023–2028 (USD MILLION)

TABLE 169 REST OF SOUTH AMERICA: POLYLACTIC ACID MARKET, BY END-USE INDUSTRY, 2019–2022 (KILOTON)

TABLE 170 REST OF SOUTH AMERICA: POLYLACTIC ACID MARKET, BY END-USE INDUSTRY, 2023–2028 (KILOTON)

10.6 MIDDLE EAST & AFRICA

TABLE 171 MIDDLE EAST & AFRICA: POLYLACTIC ACID MARKET, BY COUNTRY, 2019–2022 (USD MILLION)

TABLE 172 MIDDLE EAST & AFRICA: POLYLACTIC ACID MARKET, BY COUNTRY, 2023–2028 (USD MILLION)

TABLE 173 MIDDLE EAST & AFRICA: POLYLACTIC ACID MARKET, BY COUNTRY, 2019–2022 (KILOTON)

TABLE 174 MIDDLE EAST & AFRICA: POLYLACTIC ACID MARKET, BY COUNTRY, 2023–2028 (KILOTON)

TABLE 175 MIDDLE EAST & AFRICA: POLYLACTIC ACID MARKET, BY APPLICATION, 2019–2022 (USD MILLION)

TABLE 176 MIDDLE EAST & AFRICA: POLYLACTIC ACID MARKET, BY APPLICATION, 2023–2028 (USD MILLION)

TABLE 177 MIDDLE EAST & AFRICA: POLYLACTIC ACID MARKET, BY APPLICATION, 2019–2022 (KILOTON)

TABLE 178 MIDDLE EAST & AFRICA: POLYLACTIC ACID MARKET, BY APPLICATION, 2023–2028 (KILOTON)

TABLE 179 MIDDLE EAST & AFRICA: POLYLACTIC ACID MARKET, BY GRADE, 2019–2022 (USD MILLION)

TABLE 180 MIDDLE EAST & AFRICA: POLYLACTIC ACID MARKET, BY GRADE, 2023–2028 (USD MILLION)

TABLE 181 MIDDLE EAST & AFRICA: POLYLACTIC ACID MARKET, BY GRADE, 2019–2022 (KILOTON)

TABLE 182 MIDDLE EAST & AFRICA: POLYLACTIC ACID MARKET, BY GRADE, 2023–2028 (KILOTON)

TABLE 183 MIDDLE EAST & AFRICA: POLYLACTIC ACID MARKET, BY RAW MATERIAL, 2019–2022 (USD MILLION)

TABLE 184 MIDDLE EAST & AFRICA: POLYLACTIC ACID MARKET, BY RAW MATERIAL, 2023–2028 (USD MILLION)

TABLE 185 MIDDLE EAST & AFRICA: POLYLACTIC ACID MARKET, BY RAW MATERIAL, 2019–2022 (KILOTON)

TABLE 186 MIDDLE EAST & AFRICA: POLYLACTIC ACID MARKET, BY RAW MATERIAL, 2023–2028 (KILOTON)

TABLE 187 MIDDLE EAST & AFRICA: POLYLACTIC ACID MARKET, BY END-USE INDUSTRY, 2019–2022 (USD MILLION)

TABLE 188 MIDDLE EAST & AFRICA: POLYLACTIC ACID MARKET, BY END-USE INDUSTRY, 2023–2028 (USD MILLION)

TABLE 189 MIDDLE EAST & AFRICA: POLYLACTIC ACID MARKET, BY END-USE INDUSTRY, 2019–2022 (KILOTON)

TABLE 190 MIDDLE EAST & AFRICA: POLYLACTIC ACID MARKET, BY END-USE INDUSTRY, 2023–2028 (KILOTON)

10.6.1 IMPACT OF RECESSION ON MIDDLE EAST & AFRICA

10.6.2 SAUDI ARABIA

10.6.2.1 Government regulations controlling use of conventional plastics to drive market

TABLE 191 SAUDI ARABIA: POLYLACTIC ACID MARKET, BY END-USE INDUSTRY, 2019–2022 (USD MILLION)

TABLE 192 SAUDI ARABIA: POLYLACTIC ACID MARKET, BY END-USE INDUSTRY, 2023–2028 (USD MILLION)

TABLE 193 SAUDI ARABIA: POLYLACTIC ACID MARKET, BY END-USE INDUSTRY, 2019–2022 (KILOTON)

TABLE 194 SAUDI ARABIA: POLYLACTIC ACID MARKET, BY END-USE INDUSTRY, 2023–2028 (KILOTON)

10.6.3 UAE

10.6.3.1 Focus on medical tourism and healthcare infrastructure to drive market

TABLE 195 UAE: POLYLACTIC ACID MARKET, BY END-USE INDUSTRY, 2019–2022 (USD MILLION)

TABLE 196 UAE: POLYLACTIC ACID MARKET, BY END-USE INDUSTRY, 2023–2028

(USD MILLION)

TABLE 197 UAE: POLYLACTIC ACID MARKET, BY END-USE INDUSTRY, 2019–2022
(KILOTON)

TABLE 198 UAE: POLYLACTIC ACID MARKET, BY END-USE INDUSTRY, 2023–2028
(KILOTON)

10.6.4 REST OF MIDDLE EAST & AFRICA

TABLE 199 REST OF MIDDLE EAST & AFRICA: POLYLACTIC ACID MARKET, BY
END-USE INDUSTRY, 2019–2022 (USD MILLION)

TABLE 200 REST OF MIDDLE EAST & AFRICA: POLYLACTIC ACID MARKET, BY
END-USE INDUSTRY, 2023–2028 (USD MILLION)

TABLE 201 REST OF MIDDLE EAST & AFRICA: POLYLACTIC ACID MARKET, BY
END-USE INDUSTRY, 2019–2022 (KILOTON)

TABLE 202 REST OF MIDDLE EAST & AFRICA: POLYLACTIC ACID MARKET, BY
END-USE INDUSTRY, 2023–2028 (KILOTON)

11 COMPETITIVE LANDSCAPE

11.1 INTRODUCTION

FIGURE 38 COMPANIES ADOPTED INVESTMENTS & EXPANSIONS AND
PRODUCT DEVELOPMENTS AS KEY GROWTH STRATEGIES BETWEEN 2018 AND
2022

11.2 RANKING ANALYSIS OF KEY MARKET PLAYERS, 2022

FIGURE 39 RANKING OF TOP FIVE PLAYERS IN POLYLACTIC ACID MARKET,
2022

11.3 MARKET SHARE ANALYSIS

FIGURE 40 POLYLACTIC ACID MARKET SHARE, BY COMPANY (2022)

TABLE 203 POLYLACTIC ACID MARKET: DEGREE OF COMPETITION

11.4 REVENUE ANALYSIS OF TOP PLAYERS

TABLE 204 POLYLACTIC ACID MARKET: REVENUE ANALYSIS (USD)

11.5 MARKET EVALUATION MATRIX

TABLE 205 MARKET EVALUATION MATRIX

11.6 COMPANY EVALUATION MATRIX, 2022 (TIER 1)

11.6.1 STARS

11.6.2 EMERGING LEADERS

11.6.3 PERVASIVE PLAYERS

11.6.4 PARTICIPANTS

FIGURE 41 POLYLACTIC ACID MARKET: COMPANY EVALUATION MATRIX, 2022

11.7 STARTUPS AND SMALL AND MEDIUM-SIZED ENTERPRISES (SMES)
EVALUATION MATRIX

11.7.1 RESPONSIVE COMPANIES

11.7.2 STARTING BLOCKS

11.7.3 PROGRESSIVE COMPANIES

11.7.4 DYNAMIC COMPANIES

FIGURE 42 POLYLACTIC ACID MARKET: STARTUPS AND SMES MATRIX, 2022

11.8 COMPANY END-USE INDUSTRY FOOTPRINT

11.9 COMPANY REGION FOOTPRINT

11.9.1 STRENGTH OF PRODUCT PORTFOLIO

11.9.2 BUSINESS STRATEGY EXCELLENCE

11.10 COMPETITIVE SCENARIOS

11.10.1 PRODUCT LAUNCHES

TABLE 206 PRODUCT LAUNCHES, 2018–2022

11.10.2 DEALS

TABLE 207 DEALS, 2018–2022

11.10.3 OTHER DEVELOPMENTS

TABLE 208 OTHER DEVELOPMENTS, 2018–2022

12 COMPANY PROFILES

12.1 MAJOR PLAYERS

(Business Overview, Products/Solutions/Services offered, Recent Developments, MnM View)*

12.1.1 NATUREWORKS LLC

TABLE 209 NATUREWORKS LLC: COMPANY OVERVIEW

TABLE 210 NATUREWORKS LLC: PRODUCT LAUNCHES

TABLE 211 NATUREWORKS LLC: DEALS

TABLE 212 NATUREWORKS LLC: OTHERS

12.1.2 TOTALENERGIES CORBION

TABLE 213 TOTALENERGIES CORBION: COMPANY OVERVIEW

TABLE 214 TOTALENERGIES CORBION: PRODUCT LAUNCHES

TABLE 215 TOTALENERGIES CORBION: DEALS

TABLE 216 TOTALENERGIES CORBION: OTHERS

12.1.3 BASF SE

TABLE 217 BASF SE: COMPANY OVERVIEW

FIGURE 43 BASF SE: COMPANY SNAPSHOT

TABLE 218 BASF SE: DEALS

TABLE 219 BASF SE: OTHERS

12.1.4 COFCO

TABLE 220 COFCO: COMPANY OVERVIEW

TABLE 221 COFCO: OTHERS

12.1.5 FUTERRO

TABLE 222 FUTERRO: COMPANY OVERVIEW

TABLE 223 FUTERRO: OTHERS

12.1.6 DANIMER SCIENTIFIC

TABLE 224 DANIMER SCIENTIFIC: COMPANY OVERVIEW

FIGURE 44 DANIMER SCIENTIFIC: COMPANY SNAPSHOT

TABLE 225 DANIMER SCIENTIFIC: DEALS

TABLE 226 DANIMER SCIENTIFIC: OTHERS

12.1.7 TORAY INDUSTRIES, INC.

TABLE 227 TORAY INDUSTRIES, INC.: COMPANY OVERVIEW

FIGURE 45 TORAY INDUSTRIES, INC.: COMPANY SNAPSHOT

TABLE 228 TORAY INDUSTRIES, INC.: PRODUCT LAUNCHES

12.1.8 EVONIK INDUSTRIES

TABLE 229 EVONIK INDUSTRIES: COMPANY OVERVIEW

FIGURE 46 EVONIK INDUSTRIES: COMPANY SNAPSHOT

TABLE 230 EVONIK INDUSTRIES: PRODUCT LAUNCHES

TABLE 231 EVONIK INDUSTRIES: DEALS

TABLE 232 EVONIK INDUSTRIES: OTHERS

12.1.9 MITSUBISHI CHEMICAL CORPORATION

TABLE 233 MITSUBISHI CHEMICAL CORPORATION: COMPANY OVERVIEW

FIGURE 47 MITSUBISHI CHEMICAL CORPORATION: COMPANY SNAPSHOT

TABLE 234 MITSUBISHI CHEMICAL CORPORATION: OTHERS

12.1.10 UNITIKA LTD.

TABLE 235 UNITIKA LTD.: COMPANY OVERVIEW

FIGURE 48 UNITIKA LTD.: COMPANY SNAPSHOT

*Details on Business Overview, Products/Solutions/Services offered, Recent Developments, MnM View might not be captured in case of unlisted companies.

12.2 OTHER PLAYERS

12.2.1 ZHEJIANG HISUN BIOMATERIALS CO., LTD.

12.2.2 SHANGHAI TONG-JIE-LIANG BIOMATERIALS CO., LTD.

12.2.3 CHONGQING BOFEI BIOCHEMICAL PRODUCTS, LTD.

12.2.4 ZHANGJIAGANG CREATE MATERIAL CO., LTD.

12.2.5 SYNBRA TECHNOLOGY

12.2.6 SUMITOMO CHEMICAL CO., LTD.

12.2.7 FKUR

12.2.8 MUSASHINO CHEMICAL LABORATORY, LTD.

12.2.9 AKRO-PLASTIC GMBH

12.2.10 VAISHNAVI BIO-TECH

12.2.11 CARBIOLICE

12.2.12 SHENZHEN ESUN INDUSTRIAL CO., LTD.

12.2.13 JIANGSU SUPLA BIOPLASTICS CO., LTD.

12.2.14 NANTONG JIUDING BIOLOGICAL ENGINEERING CO., LTD.

12.2.15 FLOREON

13 APPENDIX

13.1 DISCUSSION GUIDE

13.2 KNOWLEDGE STORE: MARKETSANDMARKETS' SUBSCRIPTION PORTAL

13.3 CUSTOMIZATION OPTIONS

13.4 RELATED REPORTS

13.5 AUTHOR DETAILS

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