

# Bioplastics – A Global Market Overview

<https://marketpublishers.com/r/B5995B98463EN.html>

Date: June 2018

Pages: 412

Price: US\$ 4,500.00 (Single User License)

ID: B5995B98463EN

## Abstracts

### DESCRIPTION:

#### Report Synopsis

Bioplastics industry is in emerging phase, though being in existence for about a decade or more. Bioplastics are used in an increasing number of markets, from packaging, catering products, consumer electronics, automotive, agriculture/horticulture and toys to textiles and a number of other segments. Bioplastics can be produced from renewable resources, as well as synthetic polymers and not all bioplastics are bio-based. Bioplastics can encompass a complete group of materials that can be biobased, biodegradable, or both.

Asia-Pacific accounts the largest regional market for biodegradable bioplastics with an estimated 351.8 thousand metric tons in 2017 (40.4% share), reaching 565 thousand metric tons in 2022. Asia-Pacific is also anticipated the fastest growing regional market with a robust CAGR of 9.9% during 2017-2022 period. Europe is estimated the second largest regional biodegradable bioplastics market with 31.8% share 2017.

#### Research Findings & Coverage

Bioplastics market is analyzed in this report with respect to plastic type/sub-types and major application sectors

The report extensively studies each type of bioplastic's market in all major regions and countries for the analysis period

Auto Industry's Future and Bioplastics Go Hand in Hand

## Biobased PET Prospect for Bottles Envisioned by Coke and Pepsi

Bioplastic Packaging Solutions: Can they Get Any Weirder?

Future Cars to Reap “Fruits” of Bioplastics

Key business trends focusing on product innovations/developments, M&As, JVs and other recent industry developments

Major companies profiled – 52

The industry guide includes the contact details for 160 companies

### Product Outline

The report analyzes the market for the key types/sub-types of Bioplastics including:

#### Biodegradable

Polylactic Acid (PLA)

Polyhydroxyalkanoates (PHA)

Starch Blends

Others

#### Non-Biodegradable

Polyethylene (PE)

Polyethylene Terephthalate (PET)

Polyamide (PA)

Others

Application sectors of Bioplastics analyzed comprise the following:

Packaging

Textiles

Consumer Goods

Automotive & Transport

Agriculture & Horticulture

Building & Construction

Electrics & Electronics

Others

#### Analysis Period, Units and Growth Rates

The report reviews, analyzes and projects the global Bioplastics market for the period 2014-2022 in terms of market volume in metric tons and the compound annual growth rates (CAGRs) projected from 2017 through 2022

#### Geographic Coverage

North America (The United States, Canada and Mexico)

Europe (Germany, France, Italy, The United Kingdom and Rest of Europe)

Asia-Pacific (China, Japan, South Korea, India and Rest of Asia-Pacific)

South America (Brazil, Argentina and Rest of South America)

Rest of World

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Arkema SA (France)  
BASF SE (Germany)  
Bioamber, Inc. (Canada)  
Biome Bioplastics Ltd (United Kingdom)  
Braskem SA (Brazil)  
Cardia Bioplastics Limited (Australia)  
Cargill Incorporated (United States)

Cereplast, Inc. (United States)  
Clariant AG (Switzerland)  
Danimer Scientific LLC (United States)  
Dowdupont, Inc. (United States)  
Eastman Chemical Company (United States)  
FKUR Kunststoff GmbH (Germany)  
Green Day Eco-Friendly Material Co. (China)  
Ingredion, Inc. (United States)  
Kaneka Corporation (Japan)  
Mitsubishi Chemical Corporation (Japan)  
Mitsui & Co Plastics Ltd. (Japan)  
Natureworks LLC (United States)  
Ningbo Tianan Biologic Material Co., Ltd. (China)  
Northern Technologies International Corporation (United States)  
Novamont SpA (Italy)  
Perstorp Holding AB (Sweden)  
Plantic Technologies Ltd. (Australia)  
Polyone Corporation (United States)  
Rodenburg Biopolymers BV (The Netherlands)  
Royal DSM NV (The Netherlands)  
RTP Company (United States)  
Showa Denko KK (Japan)  
Solvay SA (Belgium)  
Sphere SA (France)  
Storopack Hans Reichenacker GmbH (Germany)  
Synbra Technology BV (The Netherlands)  
The Lubrizol Corporation (United States)  
Tate & Lyle PLC (The United Kingdom)  
Teijin Ltd (Japan)  
Toray Industries, Inc. (Japan)  
Total Corbion PLA (The Netherlands)  
Toyobo Co Ltd. (Japan)  
Vegeplast Sas (France)  
Yield10 Bioscience, Inc. (United States)  
Zhejiang Hisun Biomaterials Company Limited (China)

#### **4. KEY BUSINESS & PRODUCT TRENDS**

Electrolux AB Develops World's First Bio-plastic based Refrigerator

Arkema SA Plans Polymers Production Unit in China

Braskem SA and LEGO Group Enter into Green Plastic Partnership

Total Corbion PLA Displays Luminy® polylactic acid (PLA) at Chinaplas Trade Fair

Teijin Limited Develops New Gasoline-Resistant Film Made of PLANEXT® Bio-Plastic

Clariant AG and Global Bioenergies Introduces New Bio-based Cosmetics Polymer

Dow Packaging and Specialty Plastics Introduces polyethylene (PE) Resins

BASF SE Launches biomass-balanced Styropor Polystyrene Packaging Solution

Mitsubishi Chemical Corporation Develops New Bio-based Engineering plastic in Collaboration with Mazda Motor Corporation

Braskem SA Enters into Agreement with Haldor Topsøe on Monoethylene Glycol (MEG) Production from Sugar

Titan Hemp Forms Joint Venture with Green Growers Technology Alliance (GGTA) to Create a New Company, Titan BioPlastics

Hydal Corporation to Start Polyhydroxyalkanoates (PHA) Biopolymer Production in Slovakia

Novamont SpA Plans to double its Bio-polyester Production by 2018

The Association of Plastics Recyclers Europe (PRE) Governs the Bioplastics Recycling Streams Implementation in Europe

Braskem SA Seals a Partnership with A. Schulman, Inc on Green Polyethylene Solution

Braskem SA Bags Distribution Partnership with Pegasus Polymers

Midwestern Pet Foods, Inc Unveils Earthborn Holistic® Venture™ Brand Pet Food Line Offering Integrated with Braskem's Polyethylene (PE)

The Center for Sustainable Chemical Technologies Develops New Process for Biodegradable Plastics Production Using Sugar & CO<sub>2</sub>

DuPont and Archer Daniels Midland Bag Bioplastics Award

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Braskem SA and The Linde Group Enter into Contract to Establish New Polypropylene Production Center in Texas.

Perstorp Holding AB to Acquire Polialcoli Srl

Trinseo SA Acquires API SPA

Braskem SA, Sealed Air Corporation and Naturepedic Join Forces to make Renewable Polyethylene Foam

Cargill, Inc Acquires Biobased Polyols Product Line from Bio-based Technologies

BASF Unveils Ultramid Flex F38 L Bio-based Copolyamide

Alterra Holdings Corporation and DuPont Enter into Partnership

Eastman Chemical Company Unveils New Bioplastic TREVA™

Biome Bioplastics Ltd to Make Bio-plastic Coffee Cups

FKuR Kunststoff GmbH Launches Two Biodegradable Injection Molding Grades

Solegear and Braskem Partner to Launch household recycling Containers under good natured™ Brand

Danimer Scientific LLC and PepsiCo Enter into Agreement on Biodegradable Resins

FKuR Polymers GmbH Expands its Polyolefin Compounds and Thermoplastic Elastomers (TPE) Portfolio

Total SA and Corbion Form Joint Venture for Polylactide (PLA) bioplastic Production in Thailand

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Evergreen Packaging LLC Launches New Bio-based Polyethylene Cup

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Bioamber, Inc. (Canada)

Biomatera, Inc. (Canada)

Cargill Incorporated (United States)

Cereplast, Inc. (United States)

Danimer Scientific LLC (United States)

Dowdupont, Inc. (United States)

Eastman Chemical Company (United States)

Good Natured Products, Inc. (Canada)

Ingredion, Inc. (United States)

Natureworks LLC (United States)

Northern Technologies International Corporation (United States)

Polyone Corporation (United States)

RTP Company (United States)

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Arkema SA (France)

BASF SE (Germany)

BioApply (Switzerland)

Biome Bioplastics Ltd (United Kingdom)

Clariant AG (Switzerland)

Fkur Kunststoff GmbH (Germany)

Futerra SA (Belgium)

Innovia Films Limited (United Kingdom)

Novamont SpA (Italy)

Perstorp Holding AB (Sweden)

Rodenburg Biopolymers BV (The Netherlands)

ROYAL DSM NV (The Netherlands)  
Solvay SA (Belgium)  
Sphere SA (France)  
Storopack Hans Reicheneker GmbH (Germany)  
Synbra Technology BV (The Netherlands)  
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IRE Chemical Ltd. (South Korea)

Kaneka Corporation (Japan)

Mitsubishi Chemical Corporation (Japan)

Mitsui & Co Plastics Ltd. (Japan)

Ningbo Tianan Biologic Material Co., Ltd. (China)

Plantic Technologies Ltd. (Australia)

Showa Denko KK (Japan)

Teijin Ltd (Japan)

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