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World Collection



World

Bioplastic Resins

November 2013



Highlights

World Overview and Forecasts

Demand by Product | Demand by Market | Production Trends

Regional Trends and Forecasts

Regional Demand Overview | North America | Western Europe | Asia/Pacific
Other Regions

Industry Structure

Industry Composition | Industry Leaders | Additional Companies Cited

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ABOUT THIS REPORT

Scope & Method

This report forecasts total world demand in 2017 for bioplastic resins by product, market, and major world region in metric tons. The terms *bioplastic resins* and *bioplastics* are used interchangeably in this report. Product segments include:

- starch-based resins
- polylactic acid
- biobased polyethylene
- polyester bioplastics
- other bioplastics such as biobased polyamides and biobased thermoplastic elastomers.

Only base plastic resins are included in demand totals; coatings, adhesives, composites, compounds, and finished products are not considered. Oxo-biodegradable plastics, which use additives to promote biodegradation, are also excluded from the scope of this report because they are not accepted as fully biodegradable by international standards and they do not compost satisfactorily in actively managed compost facilities.

Reported markets encompass:

- packaging
- nonpackaging.

Major world regions include:

- North America
- Western Europe
- Asia/Pacific
- all other regions.

Demand by product segment is also forecast for each major world region.

To illustrate historical trends world, product, and regional demand are provided for 2007 and 2012. Further, regional demand is segmented by market for 2012.

Finally, world production is segmented by major world region and provided for 2007, 2012, and 2017.

Forecasts emanate from the identification and analysis of pertinent statistical relationships and other historical trends/events as well as their expected progression/impact over the forecast period. Changes in quantities between reported years of a given total or segment are typically provided in terms of five-year compound annual growth rates (CAGRs). For the sake of brevity, forecasts are generally stated in smoothed CAGR-based descriptions to the forecast year, such as “demand is projected

to rise 3.2% annually through 2017.” The result of any particular year over that period, however, may exhibit volatility and depart from a smoothed, long-term trend, as historical data typically illustrate.

Other various topics, including profiles of pertinent leading suppliers, are covered in this report. A full outline of report items by page is available in the [Table of Contents](#).

Sources

World Bioplastic Resins is based on [a comprehensive industry study](#) published by The Freedonia Group in November 2013. Reported findings represent the synthesis and analysis of data from various primary, secondary, macroeconomic, and demographic sources including:

- firms participating in the industry, and their suppliers and customers
- government/public agencies
- national, regional, and international non-governmental organizations
- trade associations and their publications
- the business and trade press
- The Freedonia Group Consensus Forecasts dated June 2013
- the findings of other industry studies by The Freedonia Group.

Specific sources and additional resources are listed in the [Resources](#) section of this publication for reference and to facilitate further research.

Industry Codes

The topic of this report is related to the following industry codes:

NAICS/SCIAN 2007		SIC	
North American Industry Classification System		Standard Industry Codes	
325211	Plastics Material and Resin Mfg	2821	Plastics Materials, Synthetic Resins, and Nonvulcanized Elastomers
325991	Custom Compounding of Purchased Resins	3087	Custom Compounding of Purchased Plastics Resins

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