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# Plastic Caps & Closures: United States

December 2017



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# About This Report

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## Scope & Method

This report forecasts US plastic caps and closures demand in units, and demand and shipments in nominal US dollars at the manufacturer level to 2021. Total demand is segmented in units by product in terms of:

- threaded
- unthreaded
- dispensing
- child resistant

Total demand is also segmented in units by market as follows:

- beverages
- food
- pharmaceuticals
- other markets such as personal care products and household cleaning products

To illustrate historical trends, total demand in units is provided in annual series from 2006 to 2016; total demand and total shipments in dollars, and the various demand segments in units are reported at five-year intervals for 2006, 2011, and 2016.

Excluded from the scope of this report are caps and closures that are an integral part of the container (e.g., aerosol can valve assemblies, metal and composite can tops, and peel-up aluminum lids); home canning and bottling closures; glass and paperboard closures; closures for industrial bulk containers; flexible closures such as twist ties or foil lidding; and caps and closures used in nonpackaging applications (e.g., valve covers, distributor caps, pen caps, food storage containers lids, and liquor decanter closures). The closures included herein are those used on containers intended for disposal after use. Elastomeric closures fabricated from plastic resins are not included in this report, but are included with rubber closures in The Freedonia Group's *Caps & Closures* study, which covers the US market, and its *Global Caps & Closures Market* study.

This report quantifies trends in various measures of growth and volatility. Growth (or decline) expressed as an average annual growth rate (AAGR) is the least squares growth rate, which takes into account all available datapoints over a period. The volatility of datapoints around a least squares growth trend over time is expressed via the coefficient of determination, or  $r^2$ . The most stable data series relative to the trend carries an  $r^2$  value of 1.0; the most volatile – 0.0. Growth calculated as a compound annual growth rate (CAGR) employs, by definition, only the first and last datapoints over a period. The CAGR is used to

## About This Report

describe forecast growth, defined as the expected trend beginning in the base year and ending in the forecast year. Readers are encouraged to consider historical volatility when assessing particular annual values along the forecast trend, including in the forecast year.

Key macroeconomic indicators are also provided with quantified trends. 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

*Plastic Caps & Closures: United States (FF30066)* is based on *Global Plastic Caps & Closures Market*, a comprehensive industry study published by The Freedonia Group. 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
- indicator forecasts by The Freedonia Group
- the findings of other reports and 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

Table 6 | Industry Codes Related to Plastic Caps & Closures

NAICS/SCIAN 2007		SIC	
North American Industry Classification System		Standard Industrial Classification	
326199	All other plastics product manufacturing	3089	Plastic products, NEC

Source: US Census Bureau

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## Resources

### The Freedonia Group

*Global Plastic Caps & Closures Market*, December 2017

### Freedonia Industry Studies

*Global Caps & Closures Market*, September 2017

*Pharmaceutical Packaging Market in the US*, June 2017

*Global Labels Market*, January 2017

*Cosmetic & Toiletry Containers in the US*, November 2016

*Retail Ready Packaging*, July 2016

*World Wine Packaging: Containers, Closures, & Accessories*, July 2016

*Caps & Closures*, June 2016

### Freedonia Focus Reports

*Aseptic Packaging: United States*

*Beverages: United States*

*Bottled Water: United States*

*Caps & Closures: United States*

*Dairy Products: United States*

*Energy Drinks: United States*

*Frozen Foods: United States*

*Meat & Poultry Packaging: United States*

*Natural & Organic Foods & Beverages: United States*

*Packaging: United States*

*Pharmaceuticals: United States*

*Pouches: United States*

*Processed Food: United States*

*Single-Cup Beverage Brewing Pods: United States*

*Soft Drinks: United States*

*Sports Drinks: United States*

*Wine Packaging: United States*

### Freedonia Custom Research

### Trade Publications

*Beauty Packaging*

*Beverage Industry*

*Packaging Digest*

*Plastics News*

*SPRAY Technology & Marketing*

**Agencies & Associations**

Alcohol and Tobacco Tax and Trade Bureau

American Chemistry Council

The Association of Plastics Recyclers

Food and Agriculture Organization of the United Nations

United States Census Bureau

United States Department of Agriculture

United States International Trade Commission