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Global Collection



Global Caps & Closures

February 2021



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About This Report

Scope

This report forecasts to 2024 global demand for caps and closures by material, market, and major world region in units. Material segments include:

- plastic
- metal
- rubber
- cork

Reported markets encompass:

- beverages
- food
- pharmaceuticals
- other markets such as cosmetics and toiletries, household cleaning products, and automotive fluids

World regions include North America, Western Europe, Asia/Pacific, and all other regions.

To illustrate historical trends, world, material, market, and regional demand (including material and market segments) are provided for 2009, 2014, and 2019. Finally, global production in nominal US dollars at the manufacturer level is segmented by major world region and provided for 2009, 2014, 2019, and 2024.

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, 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
- caps and closures used in nonpackaging applications (e.g., valve covers, distributor caps, pen caps, food storage containers lids, liquor decanter closures)

For any given historical year, US dollar amounts are obtained from values expressed in the applicable local currency. These local currency values are converted to US dollars at the average annual exchange rate for that year. For forecast years, the US dollar amounts assume the same annual exchange rate at that prevailing in 2019.

About This Report

Other various topics, including profiles of pertinent leading companies, are covered in this report. A full outline of report items by page is available in the Table of Contents.

Sources

Global Caps & Closures (FW30012) is based on 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, such as:

- firms participating in the industry, and their suppliers and customers
- government/public agencies
- intergovernmental 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 10 | NAICS & SIC Codes Related to Caps & Closures

NAICS/SCIAN 2017		SIC	
North American Industry Classification System		Standard Industrial Classification	
321999	All other miscellaneous wood product manufacturing	2499	Wood products, not elsewhere classified
326199	All other plastics product manufacturing	3069	Fabricated rubber products, not elsewhere classified
326299	All other rubber product manufacturing	3089	Plastic products, not elsewhere classified
332119	Metal crown, closure, and other metal stamping (except automotive)	3466	Crowns and closures

Source: US Census Bureau

Table 11 | NACE Codes Related to Caps & Closures

NACE Code	Definition
16.29	Manufacture of other products of wood; manufacture of articles of cork, straw and plaiting materials
22.22	Manufacture of plastic packing goods
25.92	Manufacture of light metal packaging

Source: European Commission

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Table 12 | HS Codes Related to Caps & Closures

HS Code	Definition
3923	Articles for the conveyance or packing of goods, of plastics; stoppers, lids, caps, closures
4016	Other articles of vulcanized rubber other than hard rubber
4503	Articles of natural cork
8309	Stoppers, caps and lids (including crown corks, screw caps and pouring stoppers), capsules for bottles, threaded bungs, bung covers, seals and other packing accessories, and parts thereof, of base metal
9616	Scent sprayers and similar toilet sprayers, and mounts and heads therefor heads therefor; powder puffs and pads for the application of cosmetics or toilet preparations

Source: United Nations Statistics Division

Freedonia Methodology

The Freedonia Group, a subsidiary of MarketResearch.com, has been in business for more than 30 years and in that time has developed a comprehensive approach to data analysis that takes into account the variety of industries covered and the evolving needs of our customers.

Every industry presents different challenges in market sizing and forecasting, and this requires flexibility in methodology and approach. Freedonia methodology integrates a variety of quantitative and qualitative techniques to present the best overall picture of a market's current position as well as its future outlook: When published data are available, we make sure they are correct and representative of reality. We understand that published data often have flaws either in scope or quality, and adjustments are made accordingly. Where no data are available, we use various methodologies to develop market sizing (both top-down and bottom-up) and then triangulate those results to come up with the most accurate data series possible. Regardless of approach, we also talk to industry participants to verify both historical perspective and future growth opportunities.

Methods used in the preparation of Freedonia market research include, but are not limited to, the following activities: comprehensive data mining and evaluation, primary research, consensus forecasting and analysis, ratio analysis using key indicators, regression analysis, end use growth indices and intensity factors, purchase power parity adjustments for global data, consumer and end user surveys, market share and corporate sales analysis, product lifespan analysis, product or market life cycle analysis, graphical data modeling, long-term historical trend analysis, bottom-up and top-down demand modeling, and comparative market size ranking.

Freedonia 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)

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employs, by definition, only the first and last datapoints over a period. The CAGR is used to 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.

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Resources

The Freedonia Group

Global Caps & Closures

Freedonia Industry Studies

Cannabis Packaging Opportunities

Converted Flexible Packaging

Food & Beverage Packaging Innovation

Food Containers in the US

Global Packaging Machinery

Global Pharmaceutical Packaging

Global Protective Packaging

Global Single-Use Plastic Packaging Regulations

Global Thermoplastic Elastomers

Medical Device Packaging

Pharmaceutical Packaging

Protective Packaging

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Fruit Beverages: United States

Nutritional Bars & Shakes: United States

Packaging: United States

Pet Medications: United States

Pharmaceuticals: United States

Polyethylene: United States

Polypropylene: United States

Recovered Packaging: United States

Soft Drinks: United States

Wine: United States

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Beverage Industry

Packaging Digest

Plastics News

Spray Technology & Marketing

Wine Business Monthly

Agencies & Associations

American Chemistry Council

Associação Portuguesa da Cortiça (APCOR)

Beer Institute

Can Manufacturers Institute

International Bottled Water Association

International Organization of Vine and Wine (OIV)

United Nations' (UN) Food & Agriculture Organization

United Nations World Customs Organization

United States Alcohol and Tobacco Tax and Trade Bureau

United States Census Bureau

United States Department of Agriculture

United States International Trade Commission

Wine Institute