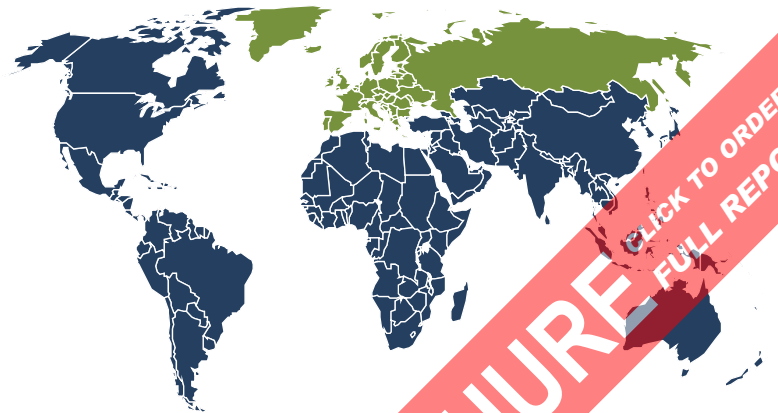


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Plastic Caps & Closures: Europe

April 2021



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About This Report

Scope

This report forecasts to 2024 plastic cap and closure demand in units in Europe. Total demand is segmented by product in terms of:

- threaded
- unthreaded
- dispensing
- child-resistant

Total demand is also segmented by market as follows:

- beverages
- food
- pharmaceuticals
- other markets such as cosmetics and toiletries, household chemicals, and paint and coatings

To illustrate historical trends, total demand is provided in annual series from 2009 to 2019; the various segments are reported at five-year intervals for 2009, 2014, and 2019.

A significant degree of overlap exists among product categories. For example, some trigger dispensers are outfitted with child-resistant features. For purposes of this report, a closure is categorized by the primary function of the closure. In the example here, the closure would be categorized as a child-resistant closure.

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)
- home canning and bottling 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)

Key macroeconomic indicators are also provided with quantified trends. 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.

For the purposes of this report, Europe encompasses the following countries:

Table 5 | Countries in Western Europe

Major Plastic Cap & Closure Markets	Other Western Europe		
France	Andorra	Greenland	Monaco
Germany	Austria	Guernsey	Netherlands
Italy	Belgium	Iceland	Norway
Spain	Channel Islands	Ireland	Portugal
United Kingdom	Denmark	Isle of Man	Saint Pierre and Miquelon
	Faeroe Islands	Jersey	San Marino
	Finland	Liechtenstein	Sweden
	Gibraltar	Luxembourg	Switzerland
	Greece	Malta	Vatican City

Source: The Freedonia Group

Table 6 | Countries in Eastern Europe

Albania	Hungary	Romania
Belarus	Latvia	Russia*
Bosnia and Herzegovina	Lithuania	Serbia
Bulgaria	Macedonia	Slovakia
Croatia	Moldova	Slovenia
Czech Republic	Montenegro	Ukraine
Estonia	Poland	

*Major plastic cap and closure market.

Source: The Freedonia Group

Sources

Plastic Caps & Closures: Europe (FE30066) is based on *Global Plastic Caps & Closures*, 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 and 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 7 | HS Codes Related to Plastic Caps & Closures

HS Code	Definition
3923	Articles for the conveyance or packing of goods, of plastics; stoppers, lids, caps, closures
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; powder puffs and pads for the application of cosmetics or toilet preparations:

Source: United Nations Statistics Division

Table 8 | NACE Codes Related to Plastic Caps & Closures

NACE Code	Definition
22.22	Manufacture of plastic packing goods

Source: European Commission

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) 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 Plastic Caps & Closures

Freedonia Industry Studies

Cannabis Packaging Opportunities

Converted Flexible Packaging

Food & Beverage Packaging Innovation

Food Containers in the US

Global Caps & Closures

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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Dairy Products: United States

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Pharmaceuticals: United States

Polyethylene: United States

Polypropylene: United States

Recovered Packaging: United States

Soft Drinks: United States

Wine: United States

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Trade Publications

Beauty Packaging

Beverage Industry

Packaging Digest

Plastics News

Spray Technology & Marketing

Wine Business Monthly

Agencies & Associations

Associação Portuguesa da Cortiça

Beer Institute

Can Manufacturers Institute

Eurostat

International Bottled Water Association

International Monetary Fund

International Organization of Vine and Wine

Organisation for Economic Co-operation and Development

United Nations' (UN) Food & Agriculture Organization

Wine Institute

World Bank

World Customs Organization