

High Density Polyethylene (HDPE) Bottle Industry worth US\$ 74.7 billion by 2033: A Comprehensive Report by FMI

Surging awareness prompts the use of HDPE in sustainable packaging, with high demand in the e-commerce sector due to its durability and transit resistance.

NEWARK, DELAWARE, UNITED STATES OF AMERICA, December 4, 2023 /EINPresswire.com/ -- The [HDPE Bottle Industry](#) is forecasted to reach US\$ 53.0 billion in 2023, with an anticipated growth to US\$ 74.7 billion by 2033, reflecting a sales CAGR of 3.50% throughout the forecast period.



Some HDPE producers are including biodegradable ingredients in their bottles in response to environmental concerns. While HDPE is not biodegradable, some additions improve HDPE breakdown in particular situations, such as composting or exposure to certain bacteria. This trend is an essential step in addressing the problem of plastic waste in the environment.

Edible packaging, although not positioned as a direct substitute for traditional HDPE bottles, effectively caters to a unique market niche. The emergence of edible films and starch-based polymers is a result of breakthroughs in food-grade materials, providing alternative options for environmentally conscious consumers. These innovative materials, in conjunction with HDPE bottles, contribute to distinct customer experiences while simultaneously addressing the issue of waste reduction.

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The integration of edible packaging aligns seamlessly with sustainability goals, presenting a greener alternative to conventional materials. By reducing waste, it not only supports eco-friendly practices but also fosters a sense of environmental responsibility among consumers. Opting to either consume or dispose of the packaging in a more sustainable manner enhances the consumer's interaction with the product, creating a positive impact on their overall engagement and fostering a sense of conscientious consumption.

Market Growth Factors

Companies are increasingly opting for eco-friendly packaging solutions by employing HDPE

bottles coupled with labels and inks crafted from sustainable materials, including water-based inks. This strategic choice is aimed at mitigating the environmental footprint associated with packaging.

To align with the prevailing "buy local" movement and minimize the carbon footprint linked to transportation, numerous businesses are actively sourcing HDPE bottles from local manufacturers. This commitment not only supports the local economy but also aligns with the growing consumer preference for sustainable and locally-sourced products.

In the pharmaceutical sector, there is a rising trend in the serialization of HDPE bottles. This entails assigning unique serial numbers to bottles, facilitating comprehensive monitoring throughout the supply chain. This serialization process not only enhances traceability but also ensures product authenticity and regulatory compliance, addressing crucial aspects of quality control in the pharmaceutical industry.

Key Takeaways from the HDPE Bottle Industry Report

In 2018, the global market size stood at US\$ 92,807.09 million.

The market grew at a 3.0% CAGR from 2018 to 2022.

In 2022, the global market size stood at US\$ 104,455.2 million.

In 2023, the 100 ml to 500 ml bottle capacity segment holds 30.2% of the HDPE Bottle Industry share.

In 2023, the chemical industry holds nearly 28.9% of the HDPE Bottle Industry share.

In 2023, China holds 23.8% of the global HDPE Bottle Industry share.

In 2023, France holds 3.3% of the global HDPE Bottle Industry share.

In 2023, Germany gained 5.8% of the global HDPE Bottle Industry share.

In 2023, India holds 6.0% of the global HDPE Bottle Industry share.

"A remarkable surge is underway as the HDPE Bottle Industry charts its course, fueled by the magnetic pull of sustainable packaging solutions, an aggressive response to stringent environmental laws, and a relentless drive for innovation. With the help of bio-based substitutes and recyclable HDPE, industry players are navigating into a different age of green packaging. This path guarantees a bright future and a steadfast dedication to a more sustainable future," Says Ismail Sutaria, Principal consultant at Future Market Insights.

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Recent Innovations

In December 2022, Austria's Alpla Group unveils a carbon-optimized prototype for beauty product packaging, featuring a recycled-content HDPE container, reducing carbon footprint for brand owners globally.

In February 2022, Colgate launches the first recognized recyclable toothpaste tube in the U.S., utilizing High-Density Polyethylene for eco-friendly packaging.

The Major Key Payers Are:

Gerresheimer AG

Berry Global Group Inc.

Silgan Plastics Closure Solutions

Berk Company LLC

Amcor Ltd.

CL Smith

RPC Group Plc

Graham Packaging

Nampac Limited

ALPLA Werke Alwin Lehner GmbH & Co. KG

Key Segmentations:

By Cap Type:

Screw Closure

Snap Closures

Push-pull Closures

Disc Top Closures

Spray Closures

Dispensers

Dropper

By Bottle Capacity:

Less Than 30 ml

31 ml to 100 ml

101 ml to 500 ml

500 ml to 1Lt

Above 1Lt

By Visibility:

Translucent

Opaque

By Neck Type:

Narrow Mouth Bottles

Wide Mouth Bottles

By End-user:

Food & Beverages

Dairy Products

Juices

Others

Chemical

Agro Chemicals

Industrial Chemicals

Lubricants & Petrochemicals

Specialty Chemicals

Pharmaceuticals

Personal Care & Cosmetics

Homecare & Toiletries

By Barrier Type:

Low-barrier Bottles

High-barrier Bottles

Fluorinated Bottles

Polyamide (PA) Layer Bottles

Ethylene Vinyl Alcohol (EVOH) Layer Bottles

Author

Ismail Sutaria (Principal Consultant, Packaging and Materials) has over 8 years of experience in market research and consulting in the packaging & materials industry. Ismail's strength lies in identifying key challenges faced by the client and offering logical and actionable insights to equip the clients with strategic decision-making power.

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[Reusable Water Bottles Market Size](#): is poised to reach an impressive US\$ 12.7 billion by the year 2032.

[Paper Bottles Market Share](#): is expected to experience a noteworthy Compound Annual Growth Rate (CAGR) of 5.5% throughout the forecast period.

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