BPA Free Plastic Market By Material (PET, HDPE, LDPE, PP, Others), By Application (Food and Beverages, Consumer Goods, Others): Global Opportunity Analysis and Industry Forecast, 2021-2031

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Report description:

The global BPA free plastic market size was valued at $187.3 billion in 2021, and is projected to reach $299.6 billion by 2031, growing at a CAGR of 5% from 2022 to 2031.

Industrial chemical bisphenol A (BPA) is largely utilized in the production of polycarbonateplastics and epoxy resins. When Bisphenol A, an organic chemical, is not used in the manufacture of a product, it is said to be BPA-free. In the past, BPA was used in the manufacture of a wide variety of plastic products, including infant bottles, plastic dishes and cutlery, storage containers, and drink bottles. Concerns have been raised over time regarding its impact on human health, particularly when it is utilized in products and materials that come into contact with food. The banning of BPA led to the increased use of BPA free plastic in various sectors. There are different types of plastic containers that are labeled with a 1, 2, or 5 are considered BPA free.

The?rising health and environmental concerns?are one of the driving factors stimulating the markets' growth. ?Also, the implementation of various rules and regulations on the usage of BPA have boosted the demand of the BPA free plastic market. BPA is regarded as an endocrine disruptive substance that interferes with the body's normal hormonal balance by either mimicking or blocking hormones. BPA can enter the bodies through handling cash register receipts, eating or drinking foods heated in plastic, eating or drinking foods kept in metal cans, plastic (take-out containers), or both. Researchers have connected BPA to developmental and health issues in children, such as early puberty in females, diabetes, obesity, and heart disease, as well as learning and behavioral diseases like Attention Deficit Hyperactive Disorder (ADHD), anxiety, and melancholy. Children and babies are more at risk for harm from BPA exposure because of how quickly their bodies develop and change.? BPA can have an effect on wildlife, especially aquatic species in freshwater and saltwater environments, which serve as pollutant reservoirs. Owing to these serious health issues, the BPA free plastic market has shown a considerably growth.

Since 2015, BPA-containing packaging, containers, and utensils that are intended for direct contact with food are not allowed to be marketed in France. The European Chemical Agency (ECHA) listed BPA on the Candidate List of Substances of Very High

Concern (SVHC) in 2017, classifying it as endocrine disrupting and toxic for reproduction (Article 57c) as a result of the European Union Registration, Evaluation, Authorization and Restriction of Chemicals (REACH) regulation (Article 57f). According to a new regulation that the EU released in December 2016, thermal paper containing BPA "must not be placed on the market in a concentration equal to or more than 0.02% by weight after 2 January 2020". The inclusion of Bisphenol A as a substance of very high concern on account of its qualities as a chemical harmful for reproduction was affirmed by the general court of the European Union in July 2019. Owing to these stringent rules enforced by the governing bodies have positively impacted the growth of BPA free plastic market.

The availability of substitutes for BPA is one of the restraining factor that has hammered the market growth. For instance, a green substitute for bisphenol A is considered to be bisguaiacol F (BGF). Two hydroxyphenyl groups give BGF a structural resemblance to BPA. It has similar properties as of BPA but differ in its action. It does not interfere with the endocrine function. ?Because BGF is made from a waste product that already exists, it is both an economical and sustainable solution. BGF's feedstock, lignin, is derived from trees, making it a renewable resource, in contrast to BPA, which is produced using components found in oil, a fossil fuel. Due to these factors, the growth of market is hampered in a negative way.

The usage of BPA free plastic in various end use industries are becoming a great opportunity for the expansion of the market. The cosmetic and personal care industries have incorporated the BPA free materials in the manufacturing of containers and liners. Moreover, the healthcare sector has also contributed to the increased demand of the BPA free plastic market. It is employed in various surgical and medical equipment. Owing to the increasing use of BPA free plastic in various sectors have boosted the markets' growth.

The BPA free plastic market is segmented on the basis of material type, application, and region. On the basis of material type, the market is divided into polyethylene terephthalate (PET), high density polyethylene (HDPE), low density polyethylene (LDPE), polypropylene (PP), and others. Depending on the application, the market is classified into food & beverages, consumer goods, and others. Region wise, the market is analyzed across North America, Europe, Asia-Pacific, and LAMEA.

The key players operating in the global BPA free plastic market are Altium Packaging, Amcor plc, Conagra Brands, Inc., Eastman Chemical Company, Orthex Group, PLASTIPAK HOLDINGS, INC., PPG Industries, Inc., Taiyuan Lanlang Technology Industrial Corp., Thermo Fisher Scientific Inc. and Water Boy, Inc.

Key Benefits For Stakeholders

-This report provides a quantitative analysis of the market segments, current trends, estimations, and dynamics of the bpa free plastic market analysis from 2021 to 2031 to identify the prevailing bpa free plastic market opportunities.

-The market research is offered along with information related to key drivers, restraints, and opportunities.

-Porter's five forces analysis highlights the potency of buyers and suppliers to enable stakeholders make profit-oriented business decisions and strengthen their supplier-buyer network.

-In-depth analysis of the bpa free plastic market segmentation assists to determine the prevailing market opportunities.

-Major countries in each region are mapped according to their revenue contribution to the global market.

-Market player positioning facilitates benchmarking and provides a clear understanding of the present position of the market players.

-The report includes the analysis of the regional as well as global bpa free plastic market trends, key players, market segments, application areas, and market growth strategies.

??????COVID-19 impact analysis on the?BPA-free plastic?market

-The rise in e-commerce is expected to have increased the quantity of BPE-free plastics used in packaging, which will result in an additional 11,400-17,600 tonnes of plastic packaging used by the industry as a result of COVID-19 in 2020. This is due to the COVID-19 pandemic. As a result, the BPA-free plastic packaging sector is becoming increasingly important in the post-Covid-19 era. The market for BPA-free plastic is profitably affected by the growing demand for dental sealants or composites, as well as the tops for food cans and bottles. As a result of all the aforementioned factors, it is anticipated that BPA-free plastic would become more popular over the projection period.

Key Market Segments

By Material

- PET

- HDPE
- LDPE
- PP
- Others

By Application

- Food and Beverages
- Consumer Goods
- Others

By Region

- North America
- U.S.
- Canada
- Mexico
- Europe
- Germany
- Italy
- France
- Spain
- UK
- Rest of Europe
- Asia-Pacific
- China
- Japan
- India
- South Korea
- Australia
- Rest of Asia-Pacific
- LAMEA
- Brazil
- Saudi Arabia
- South Africa
- Rest of LAMEA
- Key Market Players
- Taiyuan Lanlang Technology Industrial Corp.
- Orthex Group
- Eastman Chemical Company
- Conagra Brands, Inc.
- Altium Packaging
- PPG Industries Inc.
- Amcor PLC
- Water Boy, Inc.
- PLASTIPAK HOLDINGS, INC.
- Thermo Fisher Scientific Inc.

Table of Contents:

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BPA Free Plastic Market By Material (PET, HDPE, LDPE, PP, Others), By Application (Food and Beverages, Consumer Goods, Others): Global Opportunity Analysis and Industry Forecast, 2021-2031

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