

Global Bisphenol-A Market Outlook to 2027

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Abstracts

Bisphenol-A is an organic synthetic compound, primarily manufactured from phenols and acetones, and has its application to synthesize plastics and epoxy resins and the plastics synthesized from Bisphenol-A are transparent, clear, and rigid, thus finding application in the packaging and food storage industry. According to BlueQuark Research & Consulting, the global bisphenol-a market is expected to witness a significant growth rate having a CAGR of approximately 4.5% during the forecasted period. Factors like strong demand for polycarbonate and rising demand for epoxy resins from various end-user industries, like paints and coatings, adhesives, electrical and electronics, packaging, and others, are likely to drive the market's growth. Further, the increasing demand for bisphenol A in the automotive industry is expected to drive the need for the Bisphenol-A market in the forecasted period. Furthermore, the growing demand for bisphenol A-based plastics in industrial machinery and electronic components is expected to increase the market growth. However, Bisphenol-A can imitate body hormones and restrict the function of natural hormones, resulting in severe complications. This can hinder the market's growth as end-users may look for alternatives.

Bisphenol-A is primarily used to produce polycarbonate and epoxy resins. Epoxy resins are worn in wind energy components, electrical parts, paints, and coatings due to their peculiar toughness, chemical resistance, and adhesion. Polycarbonate plastics are used to produce food containers, whereas epoxy resins are used as coating and lining of food cans, among others.

The growth of the global Bisphenol-A market is the increasing demand for epoxy resins and polycarbonates in various end-user industries, like paints and coatings, adhesives, electrical and electronics, and packaging. Among all other applications, polycarbonate resins provide a significant market demand for BPA, with more than 70% of the global share. Polycarbonate is a lightweight thermoplastic and has utilization in eyewear as

plastic lenses, as it is transparent and shows various color variations. Polycarbonates are a high-performing thermoplastic widely utilized in building and construction applications. Polycarbonate sheets substitute for glass in different skylight and window applications. They are used also as opaque cladding panels, canopies, translucent walls, facades and signage, sports stadium roofs, louvers, barrel vaults, and roof domes. Bisphenol-A is primarily used to produce polycarbonate and is one of the critical monomers in making epoxy resins and also plays an essential role in manufacturing unsaturated polyester resin, polyetherimide, flame retardants, polyacrylate, and polysulfone resins. It is an achromic crystalline solid that is extremely soluble in organic solvents although incompetent in terms of solubility with water. It is also used to synthesize polyether ketones and polysulfones, worn as antioxidants in some plasticizers and as a polymerization obstacle in PVC pipes. One of the vital drivers of this market is the productive use of polycarbonate in manufacturing plastics. The demand for consumer goods, eyeglass lenses, dental sealants, medical & dental devices, and foundry castings has significantly surged the demand for polycarbonate in the manufacturing industry.

The Asia-Pacific region is predicted to be the biggest market for the Global Bisphenol-A market owing to the large end user industries located in the area and low labor, raw material, and operating costs. As a consequence of the ever-increasing population propelling transportation, the growing demand for passenger vehicles is expected to impact industry growth positively. Asia Pacific is likely to appear as a prominent growth avenue for the bisphenol A market over the upcoming years due to increasing product application in the automobile industry. This can be primarily ascribed to the shifting trend of replacing metal and glass components to produce lightweight vehicles that require polycarbonate derived from the product. The polycarbonate resin manufactures car headlights, bumpers, and dashboards. The increased demand for bisphenol A across industry verticals is also predicted to contribute to market growth. Due to the increased digitalization and urbanization, the rising application of polycarbonate plastic in manufacturing electronic devices such as smartphones is predicted to drive market growth. Polycarbonates are high-performance thermoplastic commonly used to create and construct. Polycarbonate sheets may be utilized as a glass alternative throughout a range of skylight and window uses. These are often opaque coverings, canopies, cross walls, fa?ades, roofs for sporting facilities, ceilings, and roofing domes. These can also be worn as opaque coverings. The usage of polycarbonate products in greenhouses in recent years has increased considerably. Such factors are importantly impacting the market, but the utilization of Bisphenol-A (BPA) in the region is awaited to improve in various end-user industries during the forecast period.

In November 2021, LG Chem began its bisphenol-A (BPA) facility in Daesan. According to a Polymer update source in South Korea, the business started operations in mid-November 2021 after a reversal. On October 7, 2021, the unit was closed for improvement. The bisphenol-A (BPA) plant, located in Daesan, South Korea, has 165,000 million tons/year.

In October 2021, Mitsubishi Chemical Corporation selected Kebotix, a technology platform firm for innovative chemicals and materials in the United States (US), to broaden its long-standing effort to solve environmental concerns with cleaner chemistry while still providing a diverse range of goods. The beginning project of this newly announced collaboration will attract attention to discovering a substitute for bisphenol-A.

In June 2021, LG Chem announced that it would begin producing sustainable products at its Yosu and Iksan cracker and polymerization plants after achieving ISCC-Plus accreditation on nine products, including bisphenol-A.

The Global Bisphenol-A market is consolidated. Major companies in the market were Covestro AG, The Dow Chemical Company, Mitsui Chemicals, SABIC, and LG Chem.

The global Bisphenol-A Market report provides deep insight into the Bisphenol-A market's current and future state across various regions. The study comprehensively analyzes the Bisphenol-A market by segmenting based on Application (Epoxy Resins, Unsaturated Polyester Resins, Flame Retardants, Polycarbonate Resins, and Other Applications), End-Products (Eyewear equipment, Automotive components, Electronics, Wind Energy Composites, Paints & Coatings, and Others), and Geography (Asia-Pacific, North America, Europe, South America, and Middle-East and Africa). The report examines the market drivers and restraints and the impact of Covid-19 on the market growth in detail. The study covers & includes emerging market trends, developments, opportunities, and challenges in the industry. This report also covers extensively researched competitive landscape sections with prominent companies' profiles, including their market shares and projects.

Contents

1. Executive Summary

2. Research Scope and Methodology

- 2.1 Aim & Objective of the study
- 2.2 Market Definition
- 2.3 Study Information
- 2.4 General Study Assumptions
- 2.5 Research Phases

3. Market Analysis

- 3.1 Introduction
- 3.2 Market Dynamics
 - 3.2.1 Drivers
 - 3.2.2 Restraints
- 3.3 Market Trends & Developments
- 3.4 Market Opportunities
- 3.5 Feedstock Analysis
- 3.6 Regulatory Policies
- 3.7 Analysis of Covid-19 Impact

4. Industry Analysis

- 4.1 Supply Chain Analysis
- 4.2 Porter's Five Forces Analysis
 - 4.2.1 Competition in the Industry
 - 4.2.2 Potential of New Entrants into the Industry
 - 4.2.3 Bargaining Power of Suppliers
 - 4.2.4 Bargaining Power of Consumers
 - 4.2.5 Threat of substitute products

5. Market Segmentation & Forecast

- 5.1 By Application
 - 5.1.1 Polycarbonate Resins
 - 5.1.2 Epoxy Resins
 - 5.1.3 Unsaturated Polyester Resins
 - 5.1.4 Flame Retardants
 - 5.1.5 Other Applications

5.2 By End-Products

- 5.2.1 Eyewear equipment
- 5.2.2 Automotive component
- 5.2.3 Electronics
- 5.2.4 Wind Energy Composites
- 5.2.5 Paints and Coatings
- 5.2.6 Others

Regional Market Analysis

6.1 North America

6.1.1 United States

6.1.2 Canada

6.1.3 Mexico

6.2 Europe

6.2.1 Germany

6.2.2 United Kingdom

6.2.3 Italy

6.2.4 France

6.2.5 Spain

6.2.6 Rest of Europe

6.3 Asia-Pacific

6.3.1 China

6.3.2 India

6.3.3 Japan

6.3.4 South Korea

6.3.6 Rest of Asia-Pacific

6.4 South America

6.4.1 Brazil

6.4.2 Argentina

6.4.3 Rest of South America

6.5 Middle East & Africa

6.5.1 South Africa

6.5.2 Saudi Arabia

6.5.3 Rest of Middle East & Africa

Company Profiles

n

oco Chemicals
IC Innovative Plastics
ubishi Chemical Corporation
Corporation
board Holdings
ng Chun Plastics Co Ltd
r Chemical
ho P&B Chemicals
amar International
vestro AG
xion Inc.
Chemical
rmosa Plastics
pon Steel & Sumikin Chemical Co Ltd
n Ya Plastics Corporation
sui Chemicals
myang Innochem
yer Material Science
odia Brasil
ompanies is not exhaustive

Competitive Landscape

of Notable Players in the Market
A, JV, and Agreements
ket Share Analysis
ategies of Key Players

Conclusions and Recommendations

List Of Tables

LIST OF TABLES

Global Bisphenol-A Market, in USD Million, 2017-2027
Polycarbonate Resins – Bisphenol-A Market, in USD Million, 2017-2027
Epoxy Resins – Bisphenol-A Market, in USD Million, 2017-2027
Unsaturated Polyester Resins – Bisphenol-A Market, in USD Million, 2017-2027
Flame Retardants – Bisphenol-A Market, in USD Million, 2017-2027
Other Applications – Bisphenol-A Market, in USD Million, 2017-2027
Eyewear equipment – Bisphenol-A Market, in USD Million, 2017-2027
Automotive components – Bisphenol-A Market, in USD Million, 2017-2027
Electronics – Bisphenol-A Market, in USD Million, 2017-2027
Wind Energy Composites – Bisphenol-A Market, in USD Million, 2017-2027
Paints and Coatings - Bisphenol-A Market, in USD Million, 2017-2027
Other End-products – Bisphenol-A Market, in USD Million, 2017-2027
North America - Bisphenol-A Market, in USD Million, 2017-2027
Europe – Bisphenol-A Market, in USD Million, 2017-2027
Asia-Pacific - Bisphenol-A Market, in USD Million, 2017-2027
South America - Bisphenol-A Market, in USD Million, 2017-2027
Middle East & Africa - Bisphenol-A Market, in USD Million, 2017-2027
Bisphenol-A - Market Share of Key Companies in 2019
Other Supporting Charts Automotive Industry Growth Data, 2013-2019
Chemicals Industry Growth Data, 2013-2019
Packaging Industry Growth Data, 2013-2019

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