

Polybutylene Terephthalate (PBT) Market Report by Type (Industrial Grade, Commercial Grade), Processing Method (Injection Molding, Extrusion, Blow Molding, and Others), End Use Industry (Automotive, Extrusion Products, Electrical and Electronics, and Others), and Region 2024-2032

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Report description:

The global polybutylene terephthalate (PBT) market size reached US\$ 2,928.4 Million in 2023. Looking forward, IMARC Group expects the market to reach US\$ 4,025.9 Million by 2032, exhibiting a growth rate (CAGR) of 3.49% during 2024-2032.

Polybutylene terephthalate (PBT) is a high molecular semicrystalline engineering thermoplastic utilized as an insulating material in electronic components. It is a semi-aromatic and white or off-white colored polyester produced by polycondensation of dimethyl terephthalate or terephthalic acid with butanediol. PBT is widely used in the manufacturing of keyboards, distribution boxes, plug connectors, relays, switches and fiber optic cable jackets. It exhibits high strength, chemical, abrasion and heat resistance and dimensional stability. In comparison to the traditionally used polyethylene terephthalate (PET), PBT has a low melting point, crystallizes easily and exhibits higher impact resistance and flexibility. As a result, it finds extensive application across various industries, such as automotive, textile, electrical and electronics.

Polybutylene Terephthalate (PBT) Market Trends:

Significant growth in the automotive industry across the globe is creating a positive outlook for the market. PBT is widely used in the manufacturing of cast iron, stainless steel, bronze and ceramic-based automobile handles, fuel system components, windshield wiper covers, connectors and seat belts. Additionally, the increasing product utilization in the textile industry for producing swimwear due to the natural elastic, saltwater resistant and color retention properties of PBT is favoring the market growth. Moreover, various product innovations, such as the development of recyclable PBT, are providing a thrust to the market growth. These PBT variants are manufactured using sustainable green materials and is environmentally friendly, biocompatible

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and biodegradable. In line with this, the increasing demand for PBT in the manufacturing of high-voltage and sensitive electronic sensors in electric vehicles (EVs) is positively impacting the market growth. Other factors, including the implementation of various government initiatives to promote the utilization of PBT in various industries, along with the increasing product utilization to manufacture deflection coils, bushings and adapter coil bobbins, are anticipated to drive the market toward growth.

Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global polybutylene terephthalate (PBT) market report, along with forecasts at the global, regional and country level from 2024-2032. Our report has categorized the market based on type, processing method and end use industry.

Breakup by Type:

- Industrial Grade
- Commercial Grade

Breakup by Processing Method:

- Injection Molding
- Extrusion
- Blow Molding
- Others

Breakup by End Use Industry:

- Automotive
- Extrusion Products
- Electrical and Electronics
- Others

Breakup by Region:

- North America
 - United States
 - Canada
- Asia-Pacific
 - China
 - Japan
 - India
 - South Korea
 - Australia
 - Indonesia
 - Others
- Europe
 - Germany
 - France
 - United Kingdom
 - Italy
 - Spain
 - Russia

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Others
Latin America
Brazil
Mexico
Others
Middle East and Africa

Competitive Landscape:

The competitive landscape of the industry has also been examined along with the profiles of the key players being BASF SE, Celanese Corporation, Chang Chun Group, Clariant AG, Daicel Corporation, DuPont de Nemours Inc., Evonik Industries AG, Koninklijke DSM N.V., Lanxess AG, LG Chem Ltd., Mitsubishi Chemical Corporation, Nan Ya Plastics Corporation, Saudi Basic Industries Corporation (Saudi Arabian Oil Co.), Saudi International Petrochemical Company (Sipchem) and Toray Industries Inc.

Key Questions Answered in This Report

1. What was the size of the global Polybutylene Terephthalate (PBT) market in 2023?
2. What is the expected growth rate of the global Polybutylene Terephthalate (PBT) market during 2024-2032?
3. What are the key factors driving the global polybutylene terephthalate (PBT) market?
4. What has been the impact of COVID-19 on the global polybutylene terephthalate (PBT) market?
5. What is the breakup of the global Polybutylene Terephthalate (PBT) market based on the type?
6. What is the breakup of the global Polybutylene Terephthalate (PBT) market based on the processing method?
7. What is the breakup of the global Polybutylene Terephthalate (PBT) market based on the end use industry?
8. What are the key regions in the global polybutylene terephthalate (PBT) market?
9. Who are the key players/companies in the global polybutylene terephthalate (PBT) market?

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