

# **Polyethylene Terephthalate (PET) & Polybutylene Terephthalate (PBT) Resins Market by PET Type, PET Application (Bottles, Films, Food Packaging), PBT Application (Electrical and Electronics, Automotive, Consumer Appliance), Region - Global Forecast to 2026**

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## **Abstracts**

The global PET resin market size was USD 28.1 billion in 2020 and is projected to reach USD 52.2 billion by 2026. It is anticipated to register a CAGR of 6.1% between 2021 and 2026. PET is the only recyclable polyester and is used in different applications compared to the other thermosetting materials. This advantage of being reusable helps the manufacturers to have a cost advantage. Recycling PET increases the consumption of PET bottles and supports the demand for PET resin. In contrast, volatility in raw material prices, such as crude oil, affects the price of ethylene glycol and terephthalic acid, influencing the price of PET resin. The increasing demand will burden the industry over the next few years.

The PBT resin market is projected to register a CAGR of 5.1%, in terms of value, between 2021 and 2026.

The global PBT resin market size was USD 3.1 billion in 2020 and is projected to reach USD 5.3 billion by 2026. It is anticipated to register a CAGR of 5.1% between 2021 and 2026. The automotive manufacturers are using PBT materials in their car production to overcome the challenges, such as reducing fuel consumption, CO2 emissions, and lightweight regulations by the European Commission. PBT is lightweight compared to steel and aluminum used in automotive cars. Therefore, it drives the demand for PBT. On the other hand, reducing halogen content in flame-retardant PBT is a key challenge

because substituting a non-brominated, non-chlorinated FR chemistry usually degrades its mechanical performance. Due to strict environmental regulations, brominated flame retardants are not acceptable in Korea and China.

The PET resin market in the transparent & non-transparent PET segment is expected to hold the largest share during the forecast period.

The transparent & non-transparent PET segment leads the overall PET resin market. The rise in demand for PET containers, especially from the food & beverage sector and the increase in demand for frozen & processed food are some major factors driving the growth of the transparent & non-transparent PET segment of the PET resin market.

The PET resin market in the bottles segment is expected to hold the largest share during the forecast period.

The bottles segment is expected to dominate the PET resin market. The demand from industries such as food and beverage, consumer goods, and others for packing materials is growing due to the increasing consumption of PET resin. The growing demand for lightweight and convenient packaging, increasing quality of ready-to-drink beverages & flavored water, development of innovative merchandise, rising income, increasing usage in attention merchandise, and demand from personal care and pharmaceutical business can enhance the growth of the PET bottle market.

The PBT resin market in the electrical & electronics segment is expected to hold the largest share during the forecast period.

The PBT resin market's growth is based on the growth of the electronics application, not the downsizing of micro-electronics. The key driver of the electrical & electronics industry is socio-economic development, including the rise in disposable income, particularly in the emerging markets. The above factors will drive the PBT resin market in the Asia Pacific during the next five years. The markets in China, India, and other rapidly emerging countries are expected to witness strong growth in this segment. In contrast, developed markets such as the US, Germany, Japan, and the UK are expected to grow at slow rates during the forecast period. The demand for PBT in electronic components and assembly is expected to continue to create new growth opportunities for the market. The increased use of PBT resin in the electrical & electronics segment continues to drive the PBT resin market.

Asia Pacific PET & PBT resins market is estimated to register the highest CAGR during

the forecast period.

Asia Pacific is the manufacturing base and various leading companies are based in the Asia Pacific. Increasingly stringent regulations on the production and use of PET in developed regions such as Europe are leading industry leaders in expanding their recycling facilities and using rPET in their products. The Asia Pacific region has a high number of players in industries such as automobile and electrical & electronics which are end users of PET & PBT resins. The Asia Pacific is the highest populated region and also has the highest number of emerging countries which account for the major market growth as emerging countries focus on industrialization.

In-depth interviews were conducted with Chief Executive Officers (CEOs), marketing directors, other innovation and technology directors, and executives from various key organizations operating in PET & PBT resins market, and information was gathered from secondary research to determine and verify the market size of several segments and subsegments.

By Company Type: Tier 1 – 45%, Tier 2 – 35%, and Tier 3 – 20%

By Designation: C Level – 35%, D Level – 25%, and Others – 40%

By Region: Asia Pacific – 40%, Europe – 25%, North America – 20%, Middle East & Africa – 8% and the South America- 7%

The key companies profiled in this report are the Indorama Ventures Limited (Bangkok), Mitsubishi Chemical Corporation (Japan), SABIC (Saudi Arabia), BASF (Germany), Alpek (Mexico), Nan Ya Plastics Corp. (Taiwan), DuPont (US), Reliance Industries Limited (India), Far Eastern New Century Corporation (Taiwan), and Mitsui Chemicals (Japan).

#### Research Coverage:

This report provides detailed segmentation of the PET & PBT resins market based on PET type, PET application, PBT application, and region. PET type is divided into transparent & non-transparent PET and recycled PET. With respect to PET application, the PET resin market has been segmented into bottles, films, food packaging and others. Based on PBT application, the PBT resin market has been segmented into electrical & electronics, automotive, consumer appliances and others. Based on the

region, the market has been segmented into the Asia Pacific, Europe, North America, South America, and the Middle East & Africa.

### Key Benefits of Buying the Report

From an insight perspective, this research report focuses on various levels of analyses — industry analysis (industry trends), market share analysis of top players, and company profiles, which together comprise and discuss the basic views on the competitive landscape; emerging and high-growth segments of the market; high growth regions; and market drivers, restraints, opportunities, and challenges.

## Contents

### 1 INTRODUCTION

#### 1.1 STUDY OBJECTIVES

#### 1.2 MARKET DEFINITION

#### 1.3 INCLUSIONS & EXCLUSIONS

#### TABLE 1 PET RESIN MARKET, BY APPLICATION

#### TABLE 2 PBT RESIN MARKET, BY APPLICATION

#### 1.4 MARKET SCOPE

#### FIGURE 1 PET & PBT RESINS: MARKET SEGMENTATION

#### FIGURE 2 YEARS CONSIDERED

#### 1.5 CURRENCY

#### 1.6 UNIT CONSIDERED

#### 1.7 STAKEHOLDERS

#### 1.8 SUMMARY OF CHANGES

### 2 RESEARCH METHODOLOGY

#### 2.1 RESEARCH DESIGN

#### FIGURE 3 PET & PBT RESINS MARKET: RESEARCH DESIGN

##### 2.1.1 SECONDARY DATA

##### 2.1.1.1 Key data from secondary sources

##### 2.1.2 PRIMARY DATA

##### 2.1.2.1 Key primary data sources

##### 2.1.2.2 Key data from primary sources

##### 2.1.2.3 Key industry insights

##### 2.1.2.4 Breakdown of primary interviews

#### 2.2 MARKET SIZE ESTIMATION

##### 2.2.1 TOP-DOWN APPROACH

#### FIGURE 4 PET & PBT RESINS MARKET SIZE ESTIMATION: TOP-DOWN APPROACH

#### FIGURE 5 PET & PBT RESINS MARKET: BY VALUE

#### FIGURE 6 PET & PBT RESINS MARKET SIZE ESTIMATION, BY REGION

#### FIGURE 7 PET RESIN MARKET, BY TYPE

#### FIGURE 8 PET RESIN MARKET SIZE ESTIMATION, BOTTOM-UP APPROACH, BY APPLICATION

#### FIGURE 9 PBT RESIN MARKET SIZE ESTIMATION, BOTTOM-UP APPROACH, BY APPLICATION

FIGURE 10 PET RESIN MARKET SIZE ESTIMATION: BY APPLICATION

FIGURE 11 PBT RESIN MARKET SIZE ESTIMATION: BY APPLICATION

## 2.3 MARKET FORECAST APPROACH

### 2.3.1 SUPPLY-SIDE FORECAST

FIGURE 12 METHODOLOGY FOR 'SUPPLY-SIDE' SIZING OF PET & PBT RESINS MARKET

### 2.3.2 DEMAND-SIDE FORECAST

FIGURE 13 DEMAND-SIDE FORECAST OF PET & PBT RESINS MARKET

## 2.4 MARKET BREAKDOWN AND DATA TRIANGULATION

FIGURE 14 PET & PBT RESINS MARKET: DATA TRIANGULATION

## 2.5 FACTOR ANALYSIS

FIGURE 15 FACTOR ANALYSIS OF PET & PBT RESINS MARKET

## 2.6 ASSUMPTIONS

## 2.7 RISK ANALYSIS ASSESSMENT

## 2.8 LIMITATIONS

# 3 EXECUTIVE SUMMARY

TABLE 3 PET & PBT RESINS MARKET SNAPSHOT, 2021 VS. 2026

FIGURE 16 ASIA PACIFIC PET RESIN MARKET TO REGISTER HIGHEST CAGR

FIGURE 17 ASIA PACIFIC PBT RESIN MARKET TO REGISTER HIGHEST CAGR

FIGURE 18 TRANSPARENT & NON-TRANSPARENT PET SEGMENT TO LEAD PET RESIN MARKET

FIGURE 19 BOTTLES SEGMENT TO DOMINATE PET RESIN MARKET

FIGURE 20 ELECTRICAL & ELECTRONICS SEGMENT TO DOMINATE PBT RESIN MARKET

FIGURE 21 ASIA PACIFIC IS LARGEST PET RESIN MARKET

FIGURE 22 ASIA PACIFIC IS LARGEST PBT RESIN MARKET

# 4 PREMIUM INSIGHTS

## 4.1 ATTRACTIVE OPPORTUNITIES IN PET & PBT RESINS MARKET

FIGURE 23 HIGH DEMAND FROM PET & PBT RESINS IN DIFFERENT APPLICATIONS TO DRIVE MARKET

## 4.2 ASIA PACIFIC PET & PBT RESINS MARKET, BY COUNTRY, 2020

FIGURE 24 CHINA ACCOUNTED FOR LARGEST SHARES

## 4.3 PET RESIN MARKET: DEVELOPED VS. DEVELOPING COUNTRIES

FIGURE 25 PET RESIN: DEVELOPING MARKETS TO GROW FASTER THAN DEVELOPED MARKETS

#### 4.4 PBT RESIN MARKET: DEVELOPED VS. DEVELOPING COUNTRIES

FIGURE 26 PBT RESIN: DEVELOPING MARKETS TO GROW FASTER THAN DEVELOPED MARKETS

#### 4.5 PET RESIN MARKET, BY TYPE

FIGURE 27 TRANSPARENT & NON-TRANSPARENT PET IS LARGER SEGMENT OF MARKET

#### 4.6 PET RESIN MARKET, BY APPLICATION

FIGURE 28 BOTTLES SEGMENT TO BE LARGEST APPLICATION

#### 4.7 PBT RESIN MARKET, BY APPLICATION

FIGURE 29 ELECTRICAL & ELECTRONICS SEGMENT TO BE LARGEST APPLICATION

#### 4.8 PET RESIN MARKET: KEY COUNTRIES

FIGURE 30 INDIA TO REGISTER HIGHEST CAGR IN PET RESIN MARKET

#### 4.9 PBT RESIN MARKET: KEY COUNTRIES

FIGURE 31 INDIA TO REGISTER HIGHEST CAGR IN PBT RESIN MARKET

## 5 MARKET OVERVIEW

### 5.1 MARKET DYNAMICS

FIGURE 32 DRIVERS, RESTRAINTS, OPPORTUNITIES, AND CHALLENGES IN PET & PBT RESINS MARKET

#### 5.1.1 DRIVERS

5.1.1.1 PET is a highly recyclable plastic resin

5.1.1.2 Increase in demand for PET in packaging sector

5.1.1.3 Technological advancements in PET packaging sector

5.1.1.4 Laws & regulations enforced by governments

5.1.1.5 Burgeoning demand for PBT in electrical & electronics industry

5.1.1.6 Increasing demand for manufacturing lightweight vehicles

#### 5.1.2 RESTRAINTS

5.1.2.1 Fluctuations in raw material prices

5.1.2.2 Absence of required framework for plastic waste collection and segregation

5.1.2.3 Limited treatment plants and lack of expertise in recycling PET waste

5.1.2.4 Polytrimethylene terephthalate (PTT)—a valuable choice for new developments in engineering thermoplastics applications

#### 5.1.3 OPPORTUNITIES

5.1.3.1 Increasing demand for sustainable packaging solutions

#### 5.1.4 CHALLENGES

5.1.4.1 High costs of recycled plastics

5.1.4.2 Existence of alternate products with identical properties



## 6 INDUSTRY TRENDS

### 6.1 VALUE CHAIN OVERVIEW

#### 6.1.1 VALUE CHAIN ANALYSIS

##### 6.1.1.1 Manufacturing Process

FIGURE 33 VALUE CHAIN ANALYSIS: MAJOR VALUE-ADDED DURING MANUFACTURING PROCESS

#### 6.1.2 DISRUPTION IN VALUE CHAIN DUE TO COVID-19

### 6.2 PET-ADDITIVE AND PBT-ADDITIVE MARKET OVERVIEW

TABLE 4 PET & PBT RESINS MARKET: KEY PLAYERS OF ADDITIVES

TABLE 5 PET-ADDITIVES & PBT-ADDITIVES MARKET SIZE, 2020

### 6.3 PORTER'S FIVE FORCES ANALYSIS

FIGURE 34 PORTER'S FIVE FORCES ANALYSIS FOR PET & PBT RESINS MARKET

TABLE 6 PET & PBT RESINS MARKET: PORTER'S FIVE FORCES ANALYSIS

#### 6.3.1 THREAT OF NEW ENTRANTS

#### 6.3.2 THREAT OF SUBSTITUTES

#### 6.3.3 BARGAINING POWER OF SUPPLIERS

#### 6.3.4 BARGAINING POWER OF BUYERS

#### 6.3.5 INTENSITY OF COMPETITIVE RIVALRY

### 6.4 MACROECONOMIC INDICATORS

#### 6.4.1 INTRODUCTION

#### 6.4.2 TRENDS AND FORECAST OF GDP

TABLE 7 TRENDS AND FORECAST OF GDP, PERCENTAGE CHANGE

### 6.5 COVID-19 IMPACT ANALYSIS

#### 6.5.1 COVID-19 ECONOMIC ASSESSMENT

FIGURE 35 LATEST WORLD ECONOMIC OUTLOOK GROWTH PROJECTIONS

#### 6.5.2 ECONOMIC IMPACT OF COVID-19 – SCENARIO ASSESSMENT

FIGURE 36 FACTORS IMPACTING ECONOMIES OF SELECT G20 COUNTRIES IN 2020

### 6.6 PRICING ANALYSIS

FIGURE 37 AVERAGE PRICE COMPETITIVENESS IN PET RESIN MARKET, BY REGION IN 2020

FIGURE 38 AVERAGE PRICE COMPETITIVENESS IN PBT RESIN MARKET, BY REGION IN 2020

#### 6.6.1 SUPPLY CHAIN CRISES SINCE PANDEMIC

### 6.7 RECYCLED PET ECOSYSTEM

FIGURE 39 RECYCLED PET ECOSYSTEM

#### 6.7.1 REVENUE SHIFT FOR RPET PLAYERS



## 6.8 EXPORT-IMPORT TRADE STATISTICS

TABLE 8 EXPORTS DATA, BY VALUE (UNIT: US DOLLAR THOUSAND) FOR POLYETHYLENE TEREPHTHALATE (PET) RESIN (2016–2020)

TABLE 9 EXPORTS DATA, BY VOLUME (UNIT: TON) FOR POLYETHYLENE TEREPHTHALATE (PET) RESIN (2016–2020)

TABLE 10 IMPORTS DATA, BY VALUE (UNIT: US DOLLAR THOUSAND) FOR POLYETHYLENE TEREPHTHALATE (PET) RESIN (2016–2020)

TABLE 11 IMPORTS DATA, BY VOLUME (UNIT: TON) FOR POLYETHYLENE TEREPHTHALATE (PET) RESIN (2016–2020)

## 6.9 SUPPLY CHAIN ANALYSIS OF RECYCLED PET

FIGURE 40 SUPPLY CHAIN OF RECYCLED PET INDUSTRY

6.9.1 COLLECTING

6.9.2 SORTING

6.9.3 PROCESSING

## 6.10 TECHNOLOGY ANALYSIS

## 6.11 CASE STUDY ANALYSIS

6.11.1 COMPARISON BETWEEN VARIOUS RPET MANAGEMENT METHODS

6.11.1.1 Objective

6.11.1.2 Solution statement

## 6.12 REGULATORY ANALYSIS

6.12.1 GUIDANCE FOR INDUSTRY - USE OF RECYCLED PLASTICS IN FOOD PACKAGING

6.12.2 EUROPEAN STANDARDS

6.12.3 INDIAN STANDARDS

## 6.13 PATENT ANALYSIS

6.13.1 METHODOLOGY

6.13.2 PUBLICATION TRENDS

FIGURE 41 PUBLICATION TRENDS, 2016–2022

6.13.3 INSIGHT

6.13.4 JURISDICTION ANALYSIS

FIGURE 42 JURISDICTION ANALYSIS OF REGISTERED PATENTS, 2016–2022

6.13.5 TOP APPLICANTS

# 7 PET RESIN MARKET, BY TYPE

## 7.1 INTRODUCTION

FIGURE 43 TRANSPARENT & NON-TRANSPARENT PET SEGMENT TO ACCOUNT FOR LARGER MARKET SHARE

TABLE 12 PET RESIN MARKET SIZE, BY TYPE, 2019–2026 (USD MILLION)

TABLE 13 PET RESIN MARKET SIZE, BY TYPE, 2019–2026 (KILOTON)

7.2 TRANSPARENT & NON-TRANSPARENT PET

7.2.1 OPTIMUM USE OF TRANSPARENT PET TO DISPLAY PRODUCTS ON-SHELF VISUAL MERCHANDISING IN RETAIL

TABLE 14 TRANSPARENT & NON-TRANSPARENT PET RESIN MARKET SIZE, BY REGION, 2019–2026 (USD MILLION)

TABLE 15 TRANSPARENT & NON-TRANSPARENT PET RESIN MARKET SIZE, BY REGION, 2019–2026 (KILOTON)

7.3 RECYCLED PET

7.3.1 RPET IS CREATED WHEN RECYCLING PET PLASTICS FOR REUSE AS PACKAGING MATERIALS

TABLE 16 RECYCLED PET RESIN MARKET SIZE, BY REGION, 2019–2026 (USD MILLION)

TABLE 17 RECYCLED PET RESIN MARKET SIZE, BY REGION, 2019–2026 (KILOTON)

## **8 PET RESIN, BY APPLICATION**

8.1 INTRODUCTION

FIGURE 44 BOTTLES SEGMENT TO REGISTER HIGHEST CAGR

TABLE 18 PET RESIN MARKET SIZE, BY APPLICATION, 2019–2026 (USD MILLION)

TABLE 19 PET RESIN MARKET SIZE, BY APPLICATION, 2019–2026 (KILOTON)

FIGURE 45 PET RESIN: MANUFACTURING PROCESS

8.2 BOTTLES

8.2.1 INCREASING QUALITY OF READY-TO-DRINK BEVERAGES AND FLAVORED WATER CAN ENHANCE PET BOTTLE MARKET GROWTH

TABLE 20 BOTTLES: PET RESIN MARKET SIZE, BY REGION, 2019–2026 (USD MILLION)

TABLE 21 BOTTLES: PET RESIN MARKET SIZE, BY REGION, 2019–2026 (KILOTON)

8.3 FILMS

8.3.1 PET FILM IS AN EXCELLENT CHOICE FOR MORE DEMANDING APPLICATIONS IN FOOD AND NON-FOOD-FILM APPLICATIONS

TABLE 22 FILMS: PET RESIN MARKET SIZE, BY REGION, 2019–2026 (USD MILLION)

TABLE 23 FILMS: PET RESIN MARKET SIZE, BY REGION, 2019–2026 (KILOTON)

8.4 FOOD PACKAGING

8.4.1 POPULARITY OF PACKAGED FOOD & BEVERAGES ATTRIBUTED TO GROWTH OF FOOD PACKAGING IN PET RESIN MARKET

TABLE 24 FOOD PACKAGING: PET RESIN MARKET SIZE, BY REGION, 2019–2026  
(USD MILLION)

TABLE 25 FOOD PACKAGING: PET RESIN MARKET SIZE, BY REGION, 2019–2026  
(KILOTON)

#### 8.5 OTHERS

TABLE 26 OTHERS: PET RESIN MARKET SIZE, BY REGION, 2019–2026 (USD  
MILLION)

TABLE 27 OTHERS: PET RESIN MARKET SIZE, BY REGION, 2019–2026 (KILOTON)

## 9 PBT RESIN MARKET, BY APPLICATION

### 9.1 INTRODUCTION

FIGURE 46 ELECTRICAL & ELECTRONICS SEGMENT TO REGISTER HIGHEST  
CAGR

TABLE 28 PBT RESIN MARKET SIZE, BY APPLICATION, 2019–2026 (USD MILLION)

TABLE 29 PBT RESIN MARKET SIZE, BY APPLICATION, 2019–2026 (KILOTON)

FIGURE 47 PBT RESIN: MANUFACTURING PROCESS

### 9.2 ELECTRICAL & ELECTRONICS

#### 9.2.1 PBT IS PREFERRED IN ELECTRICAL & ELECTRONICS APPLICATIONS

TABLE 30 ELECTRICAL & ELECTRONICS: PBT RESIN MARKET SIZE, BY REGION,  
2019–2026 (USD MILLION)

TABLE 31 ELECTRICAL & ELECTRONICS: PBT RESIN MARKET SIZE, BY REGION,  
2019–2026 (KILOTON)

### 9.3 AUTOMOTIVE

#### 9.3.1 AMPLE OPPORTUNITIES FOR PBT IN AUTOMOTIVE APPLICATIONS

TABLE 32 AUTOMOTIVE: PBT RESIN MARKET SIZE, BY REGION, 2019–2026 (USD  
MILLION)

TABLE 33 AUTOMOTIVE: PBT RESIN MARKET SIZE, BY REGION, 2019–2026  
(KILOTON)

### 9.4 CONSUMER APPLIANCE

9.4.1 PBT OFFERS EXCELLENT MOLDING PERFORMANCE AND HIGH HEAT  
ELECTRICAL RESISTANCE

TABLE 34 CONSUMER APPLIANCE: PBT RESIN MARKET SIZE, BY REGION,  
2019–2026 (USD MILLION)

TABLE 35 CONSUMER APPLIANCE: PBT RESIN MARKET SIZE, BY REGION,  
2019–2026 (KILOTON)

### 9.5 OTHERS

TABLE 36 OTHERS: PBT RESIN MARKET SIZE, BY REGION, 2019–2026 (USD  
MILLION)

TABLE 37 OTHERS: PBT RESIN MARKET SIZE, BY REGION, 2019–2026 (KILOTON)

## **10 PET & PBT RESINS MARKET, BY REGION**

### **10.1 INTRODUCTION**

FIGURE 48 PET RESIN MARKET IN ASIA PACIFIC TO GROW AT HIGHEST CAGR DURING FORECAST PERIOD

FIGURE 49 PBT RESIN MARKET IN ASIA PACIFIC TO GROW AT HIGHEST CAGR DURING FORECAST PERIOD

TABLE 38 PET RESIN MARKET SIZE, BY REGION, 2019–2026 (USD MILLION)

TABLE 39 PET RESIN MARKET SIZE, BY REGION, 2019–2026 (KILOTON)

TABLE 40 PBT RESIN MARKET SIZE, BY REGION, 2019–2026 (USD MILLION)

TABLE 41 PBT RESIN MARKET SIZE, BY REGION, 2019–2026 (KILOTON)

### **10.2 ASIA PACIFIC**

#### **10.2.1 IMPACT OF COVID-19 ON ASIA PACIFIC**

FIGURE 50 ASIA PACIFIC: PET & PBT RESINS MARKET SNAPSHOT

TABLE 42 ASIA PACIFIC: PET RESIN MARKET SIZE, BY COUNTRY, 2019–2026 (USD MILLION)

TABLE 43 ASIA PACIFIC: PET RESIN MARKET SIZE, BY COUNTRY, 2019–2026 (KILOTON)

TABLE 44 ASIA PACIFIC: PBT RESIN MARKET SIZE, BY COUNTRY, 2019–2026 (USD MILLION)

TABLE 45 ASIA PACIFIC: PBT RESIN MARKET SIZE, BY COUNTRY, 2019–2026 (KILOTON)

TABLE 46 ASIA PACIFIC: PET RESIN MARKET SIZE, BY APPLICATION, 2019–2026 (USD MILLION)

TABLE 47 ASIA PACIFIC: PET RESIN MARKET SIZE, BY APPLICATION, 2019–2026 (KILOTON)

TABLE 48 ASIA PACIFIC: PBT RESIN MARKET SIZE, BY APPLICATION, 2019–2026 (USD MILLION)

TABLE 49 ASIA PACIFIC: PBT RESIN MARKET SIZE, BY APPLICATION, 2019–2026 (KILOTON)

#### **10.2.2 CHINA**

10.2.2.1 High demand for PET resin for bottles and PBT for electronics & electricals

#### **10.2.3 INDIA**

10.2.3.1 Rapidly growing automobile sector to drive market for PBT

#### **10.2.4 SOUTH KOREA**

10.2.4.1 Leading market for both, PET & PBT resins

#### **10.2.5 JAPAN**

#### 10.2.5.1 Automotive industry drives demand for PBT

### 10.2.6 THAILAND

#### 10.2.6.1 Economic growth and developments offer market opportunities

### 10.2.7 INDONESIA

#### 10.2.7.1 Food packaging and bottles account for demand for PET

### 10.2.8 MALAYSIA

#### 10.2.8.1 Slow growth rate due to economic crisis

### 10.2.9 REST OF ASIA PACIFIC

## 10.3 NORTH AMERICA

### 10.3.1 IMPACT OF COVID-19 ON NORTH AMERICA

#### FIGURE 51 NORTH AMERICA: PET & PBT RESINS MARKET SNAPSHOT

#### TABLE 50 NORTH AMERICA: PET RESIN MARKET SIZE, BY COUNTRY, 2019–2026 (USD MILLION)

#### TABLE 51 NORTH AMERICA: PET RESIN MARKET SIZE, BY COUNTRY, 2019–2026 (KILOTON)

#### TABLE 52 NORTH AMERICA: PBT RESIN MARKET SIZE, BY COUNTRY, 2019–2026 (USD MILLION)

#### TABLE 53 NORTH AMERICA: PBT RESIN MARKET SIZE, BY COUNTRY, 2019–2026 (KILOTON)

#### TABLE 54 NORTH AMERICA: PET RESIN MARKET SIZE, BY APPLICATION, 2019–2026 (USD MILLION)

#### TABLE 55 NORTH AMERICA: PET RESIN MARKET SIZE, BY APPLICATION, 2019–2026 (KILOTON)

#### TABLE 56 NORTH AMERICA: PBT RESIN MARKET SIZE, BY APPLICATION, 2019–2026 (USD MILLION)

#### TABLE 57 NORTH AMERICA: PBT RESIN MARKET SIZE, BY APPLICATION, 2019–2026 (KILOTON)

### 10.3.2 US

#### 10.3.2.1 Increase in demand for PBT resin from automotive and electronics industries

### 10.3.3 CANADA

#### 10.3.3.1 Automotive industry leads rise in demand for PBT

### 10.3.4 MEXICO

#### 10.3.4.1 Rising demand for PBT from electrical & electronics and automotive sectors

## 10.4 EUROPE

### 10.4.1 IMPACT OF COVID-19 ON EUROPE

#### FIGURE 52 EUROPE: PET & PBT RESINS MARKET SNAPSHOT

#### TABLE 58 EUROPE: PET RESIN MARKET SIZE, BY COUNTRY, 2019–2026 (USD MILLION)

TABLE 59 EUROPE: PET RESIN MARKET SIZE, BY COUNTRY, 2019–2026  
(KILOTON)

TABLE 60 EUROPE: PBT RESIN MARKET SIZE, BY COUNTRY, 2019–2026 (USD  
MILLION)

TABLE 61 EUROPE: PBT RESIN MARKET, BY COUNTRY, 2019–2026 (KILOTON)

TABLE 62 EUROPE: PET RESIN MARKET SIZE, BY APPLICATION, 2019–2026 (USD  
MILLION)

TABLE 63 EUROPE: PET RESIN MARKET SIZE, BY APPLICATION, 2019–2026  
(KILOTON)

TABLE 64 EUROPE: PBT RESIN MARKET SIZE, BY APPLICATION

### **2019–2026 (USD MILLION)**

TABLE 65 EUROPE: PBT RESIN MARKET SIZE, BY APPLICATION, 2019–2026  
(KILOTON)

#### 10.4.2 GERMANY

10.4.2.1 Major automotive companies planning to expand production capacities

#### 10.4.3 ITALY

10.4.3.1 High growth of online shopping industry expected to drive demand for PET

#### 10.4.4 TURKEY

10.4.4.1 Automobile product expected to lead PBT resin market growth

#### 10.4.5 FRANCE

10.4.5.1 PET resin market expected to grow due to demand from packaging industry

#### 10.4.6 UK

10.4.6.1 Advanced technological infrastructure and increased

R&D investments attracting global companies

#### 10.4.7 RUSSIA

10.4.7.1 Launch of 12 national projects providing significant growth opportunities for  
various industries

#### 10.4.8 REST OF EUROPE

### 10.5 SOUTH AMERICA

#### 10.5.1 IMPACT OF COVID-19 ON SOUTH AMERICA

FIGURE 53 SOUTH AMERICA: PET RESIN MARKET SNAPSHOT

FIGURE 54 SOUTH AMERICA: PBT RESIN MARKET SNAPSHOT

TABLE 66 SOUTH AMERICA: PET RESIN MARKET SIZE, BY COUNTRY, 2019–2026  
(USD MILLION)

TABLE 67 SOUTH AMERICA: PET RESIN MARKET SIZE, BY COUNTRY, 2019–2026  
(KILOTON)

TABLE 68 SOUTH AMERICA: PBT RESIN MARKET SIZE, BY COUNTRY, 2019–2026

(USD MILLION)

TABLE 69 SOUTH AMERICA: PBT RESIN MARKET SIZE, BY COUNTRY, 2019–2026  
(KILOTON)

TABLE 70 SOUTH AMERICA: PET RESIN MARKET SIZE, BY APPLICATION,  
2019–2026 (USD MILLION)

TABLE 71 SOUTH AMERICA: PET RESIN MARKET SIZE, BY APPLICATION,  
2019–2026 (KILOTON)

TABLE 72 SOUTH AMERICA: PBT RESIN MARKET SIZE, BY APPLICATION,  
2019–2026 (USD MILLION)

TABLE 73 SOUTH AMERICA: PBT RESIN MARKET SIZE, BY APPLICATION,  
2019–2026 (KILOTON)

#### 10.5.2 BRAZIL

10.5.2.1 Automotive industry offering high growth potential for  
PBT manufacturers

#### 10.5.3 REST OF SOUTH AMERICA

### 10.6 MIDDLE EAST & AFRICA

#### 10.6.1 IMPACT OF COVID-19 ON MIDDLE EAST & AFRICA

FIGURE 55 MIDDLE EAST & AFRICA: PET RESIN MARKET SNAPSHOT

FIGURE 56 MIDDLE EAST & AFRICA: PBT RESIN MARKET SNAPSHOT

TABLE 74 MIDDLE EAST & AFRICA: PET RESIN MARKET SIZE, BY COUNTRY,  
2019–2026 (USD MILLION)

TABLE 75 MIDDLE EAST & AFRICA: PET RESIN MARKET SIZE, BY COUNTRY,  
2019–2026 (KILOTON)

TABLE 76 MIDDLE EAST & AFRICA: PBT RESIN MARKET SIZE, BY COUNTRY,  
2019–2026 (USD MILLION)

TABLE 77 MIDDLE EAST & AFRICA: PBT RESIN MARKET SIZE, BY COUNTRY,  
2019–2026 (KILOTON)

TABLE 78 MIDDLE EAST & AFRICA: PET RESIN MARKET SIZE, BY APPLICATION,  
2019–2026 (USD MILLION)

TABLE 79 MIDDLE EAST & AFRICA: PET RESIN MARKET SIZE, BY APPLICATION,  
2019–2026 (KILOTON)

TABLE 80 MIDDLE EAST & AFRICA: PBT RESIN MARKET SIZE, BY APPLICATION,  
2019–2026 (USD MILLION)

TABLE 81 MIDDLE EAST & AFRICA: PBT SIZE, BY APPLICATION, 2019–2026  
(KILOTON)

#### 10.6.2 SOUTH AFRICA

10.6.2.1 Low production costs and access to new markets favor market growth

#### 10.6.3 SAUDI ARABIA

10.6.3.1 Rising demand for consumer goods expected to increase demand for PET



resin in packaging industry

#### 10.6.4 REST OF MIDDLE EAST & AFRICA

## 11 COMPETITIVE LANDSCAPE

### 11.1 OVERVIEW

FIGURE 57 COMPANIES ADOPTED NEW PRODUCT LAUNCH AS KEY GROWTH STRATEGIES BETWEEN 2017 AND 2022

### 11.2 MARKET SHARE ANALYSIS

TABLE 82 PET & PBT RESINS MARKET: DEGREE OF COMPETITION

FIGURE 58 PET & PBT RESINS MARKET: MARKET SHARE ANALYSIS FOR 2020

#### 11.2.1 MARKET RANKING ANALYSIS

FIGURE 59 RANKING OF KEY PLAYERS

### 11.3 COMPANY REVENUE ANALYSIS

FIGURE 60 REVENUE ANALYSIS FOR KEY COMPANIES DURING PAST FIVE YEARS

### 11.4 COMPANY EVALUATION QUADRANT, 2020

#### 11.4.1 STARS

#### 11.4.2 EMERGING LEADERS

#### 11.4.3 PERVASIVE

#### 11.4.4 PARTICIPANTS

FIGURE 61 PET & PBT RESINS MARKET: COMPETITIVE LEADERSHIP MAPPING, 2020

### 11.5 SME MATRIX, 2020

#### 11.5.1 PROGRESSIVE COMPANIES

#### 11.5.2 DYNAMIC COMPANIES

#### 11.5.3 STARTING BLOCKS

#### 11.5.4 RESPONSIVE COMPANIES

FIGURE 62 PET & PBT RESINS MARKET: EMERGING COMPANIES' COMPETITIVE LEADERSHIP MAPPING, 2020

### 11.6 STRENGTH OF PRODUCT PORTFOLIO

FIGURE 63 PRODUCT PORTFOLIO ANALYSIS OF TOP PLAYERS IN PET & PBT RESINS MARKET

### 11.7 BUSINESS STRATEGY EXCELLENCE

FIGURE 64 BUSINESS STRATEGY EXCELLENCE OF TOP PLAYERS IN PET & PBT RESINS MARKET

### 11.8 COMPETITIVE SCENARIO

#### 11.8.1 MARKET EVALUATION FRAMEWORK

TABLE 83 STRATEGIC DEVELOPMENTS, BY COMPANY

TABLE 84 MOST FOLLOWED STRATEGY

TABLE 85 GROWTH STRATEGIES ADOPTED BY KEY COMPANIES

11.8.2 MARKET EVALUATION MATRIX

TABLE 86 COMPANY PRODUCT FOOTPRINT

TABLE 87 COMPANY REGION FOOTPRINT

TABLE 88 COMPANY INDUSTRY FOOTPRINT

11.9 STRATEGIC DEVELOPMENTS

TABLE 89 NEW PRODUCT LAUNCH, 2017–2022

TABLE 90 DEALS, 2017–2022

TABLE 91 OTHERS, 2017–2022

## **12 COMPANY PROFILES**

(Business Overview, Products Offered, Recent Developments, and MnM View (Key strengths/Right to Win, Strategic Choices Made, and Weaknesses and Competitive Threats))\*

### **12.1 KEY PLAYERS**

#### **12.1.1 INDORAMA VENTURES LIMITED**

TABLE 92 INDORAMA VENTURES LIMITED: COMPANY OVERVIEW

FIGURE 65 INDORAMA VENTURES LIMITED: COMPANY SNAPSHOT

#### **12.1.2 ALPEK**

TABLE 93 ALPEK: COMPANY OVERVIEW

FIGURE 66 ALPEK: COMPANY SNAPSHOT

#### **12.1.3 SABIC**

TABLE 94 SABIC: COMPANY OVERVIEW

FIGURE 67 SABIC: COMPANY SNAPSHOT

TABLE 95 SABIC: NEW PRODUCT LAUNCHES

TABLE 96 SABIC: DEALS

#### **12.1.4 BASF**

TABLE 97 BASF: COMPANY OVERVIEW

FIGURE 68 BASF: COMPANY SNAPSHOT

TABLE 98 BASF: NEW PRODUCT LAUNCHES

TABLE 99 BASF: OTHER DEVELOPMENTS

#### **12.1.5 LOTTE CHEMICAL**

TABLE 100 LOTTE CHEMICAL: COMPANY OVERVIEW

FIGURE 69 LOTTE CHEMICAL: COMPANY SNAPSHOT

#### **12.1.6 MITSUBISHI CHEMICAL CORPORATION**

TABLE 101 MITSUBISHI CHEMICAL CORPORATION: COMPANY OVERVIEW

#### **12.1.7 JIANGSU SANFANGXIANG GROUP CO., LTD.**

TABLE 102 JIANGSU SANFANGXIANG GROUP CO., LTD: COMPANY OVERVIEW

12.1.8 FAR EASTERN NEW CENTURY

TABLE 103 FAR EASTERN NEW CENTURY (FENC): COMPANY OVERVIEW

12.1.9 NAN YA PLASTICS CORP.

TABLE 104 NAN YA PLASTICS CORP.: COMPANY OVERVIEW

12.1.10 OCTAL

TABLE 105 OCTAL: COMPANY OVERVIEW

12.2 OTHER PLAYERS

12.2.1 RELIANCE INDUSTRIES

TABLE 106 RELIANCE: COMPANY OVERVIEW

12.2.2 MITSUI CHEMICAL

TABLE 107 MITSUI CHEMICAL: COMPANY OVERVIEW

12.2.3 DUPONT

TABLE 108 DUPONT: COMPANY OVERVIEW

12.2.4 TORAY INDUSTRIES INC.

TABLE 109 TORAY INDUSTRIES INC.: COMPANY OVERVIEW

12.2.5 EVONIK INDUSTRIES

TABLE 110 EVONIK INDUSTRIES: COMPANY OVERVIEW

12.2.6 EASTMAN

TABLE 111 EASTMAN: COMPANY OVERVIEW

12.2.7 SINOPEC CHEMICAL COMMERCIAL HOLDING COMPANY LIMITED

TABLE 112 SINOPEC: COMPANY OVERVIEW

12.2.8 JBF INDUSTRIES

TABLE 113 JBF.: COMPANY OVERVIEW

12.2.9 LA SEDA DE BARCELONA

TABLE 114 LA SEDA DE BARCELONA: COMPANY OVERVIEW

12.2.10 CHANG CHUN GROUP

TABLE 115 CHANG CHUN GROUP: COMPANY OVERVIEW

12.2.11 LANXESS

TABLE 116 LANXESS: COMPANY OVERVIEW

12.2.12 DSM

TABLE 117 DSM: COMPANY OVERVIEW

12.2.13 CELANESE

TABLE 118 CELANESE: COMPANY OVERVIEW

12.2.14 SHINKONG SYNTHETIC FIBERS CORPORATION

TABLE 119 SHINKONG SYNTHETIC FIBERS CORPORATION: COMPANY OVERVIEW

12.2.15 CLARIANT AG

TABLE 120 CLARIANT AG: COMPANY OVERVIEW

\*Details on Business Overview, Products Offered, Recent Developments, and MnM View (Key strengths/Right to Win, Strategic Choices Made, and Weaknesses and Competitive Threats) might not be captured in case of unlisted companies.

## **13 ADJACENT & RELATED MARKETS**

### **13.1 INTRODUCTION**

#### **13.1.1 LIMITATIONS**

### **13.2 PET PACKAGING MARKET**

#### **13.2.1 MARKET DEFINITION**

#### **13.2.2 MARKET OVERVIEW**

#### **13.2.3 PET PACKAGING MARKET, BY FORM**

TABLE 121 PET PACKAGING MARKET SIZE, BY FORM, 2014–2021 (USD MILLION)

TABLE 122 PET PACKAGING MARKET SIZE, BY FORM, 2014–2021 (KILOTON)

##### **13.2.3.1 AMORPHOUS PET**

##### **13.2.3.2 CRYSTALLINE PET**

#### **13.2.4 PET PACKAGING MARKET, BY PACKAGING TYPE**

TABLE 123 PET PACKAGING MARKET SIZE, BY PACKAGING TYPE, 2014–2021 (USD MILLION)

TABLE 124 PET PACKAGING MARKET SIZE, BY PACKAGING TYPE, 2014–2021 (KILOTONS)

##### **13.2.4.1 Rigid packaging**

TABLE 125 RIGID PET PACKAGING MARKET SIZE, BY END-USE INDUSTRY, 2014–2021 (USD MILLION)

TABLE 126 RIGID PET PACKAGING MARKET SIZE, BY END-USE INDUSTRY, 2014–2021 (KILOTONS)

##### **13.2.4.2 Flexible packaging**

TABLE 127 FLEXIBLE PET PACKAGING MARKET SIZE, BY END-USE INDUSTRY, 2014–2021 (USD MILLION)

TABLE 128 FLEXIBLE PET PACKAGING MARKET SIZE, BY END-USE INDUSTRY, 2014–2021 (KILOTONS)

#### **13.2.5 PET PACKAGING MARKET, BY PACK TYPE**

TABLE 129 PET PACKAGING MARKET SIZE, BY PACK TYPE, 2014–2021 (USD MILLION)

TABLE 130 PET PACKAGING MARKET SIZE, BY PACK TYPE, 2014–2021 (KILOTON)

##### **13.2.5.1 Bottles & jars**

##### **13.2.5.2 Bags & pouches**

##### **13.2.5.3 Trays**

**TABLE 131 BENEFITS OF PET TRAYS**

13.2.5.4 Lids/Caps &amp; closures

13.2.5.5 Others

**13.2.6 PET PACKAGING MARKET, BY END-USE INDUSTRY****TABLE 132 PET PACKAGING MARKET SIZE, BY END-USE INDUSTRY, 2014–2021 (USD MILLION)****TABLE 133 PET PACKAGING MARKET SIZE, BY END-USE INDUSTRY, 2014–2021 (KILOTON)**

13.2.6.1 Food

**TABLE 134 PET PACKAGING MARKET SIZE, BY PACK TYPE, 2014–2021 (USD MILLION)****TABLE 135 PET PACKAGING MARKET SIZE, BY PACK TYPE, 2014–2021 (KILOTON)**

13.2.6.2 Beverage

**TABLE 136 PET PACKAGING MARKET SIZE FOR BEVERAGES, BY PACK TYPE, 2014–2021 (USD MILLION)****TABLE 137 PET PACKAGING MARKET SIZE FOR BEVERAGES, BY PACK TYPE, 2014–2021 (KILOTON)**

13.2.6.3 Personal care &amp; cosmetics

**TABLE 138 PET PACKAGING MARKET SIZE FOR PERSONAL CARE & COSMETICS, BY PACK TYPE, 2014–2021 (USD MILLION)****TABLE 139 PET PACKAGING MARKET SIZE FOR PERSONAL CARE & COSMETICS, BY PACK TYPE, 2014–2021 (KILOTON)**

13.2.6.4 Household products

**TABLE 140 PET PACKAGING MARKET SIZE FOR HOUSEHOLD PRODUCTS, BY PACK TYPE, 2014–2021 (USD MILLION)****TABLE 141 PET PACKAGING MARKET SIZE FOR HOUSEHOLD PRODUCTS, BY PACK TYPE, 2014–2021 (KILOTON)**

13.2.6.5 Pharmaceuticals

**TABLE 142 ADVANTAGES OF PET IN PHARMACEUTICAL PACKAGING:****TABLE 143 PET PACKAGING MARKET SIZE FOR PHARMACEUTICALS, BY PACK TYPE, 2014–2021 (USD MILLION)****TABLE 144 PET PACKAGING MARKET SIZE FOR PHARMACEUTICALS, BY PACK TYPE, 2014–2021 (KILOTON)**

13.2.6.6 Others

**TABLE 145 PET PACKAGING MARKET SIZE FOR OTHER END-USE INDUSTRIES, BY PACK TYPE, 2014–2021 (USD MILLION)****TABLE 146 PET PACKAGING MARKET SIZE FOR OTHER END-USE INDUSTRIES, BY PACK TYPE, 2014–2021 (KILOTONS)**

### 13.2.7 PET PACKAGING MARKET, BY FILLING TECHNOLOGY

TABLE 147 PET PACKAGING MARKET SIZE, BY FILLING TECHNOLOGY,  
2014–2021 (USD MILLION)

TABLE 148 PET PACKAGING MARKET SIZE, BY FILLING TECHNOLOGY,  
2014–2021 (KILOTON)

#### 13.2.7.1 Hot fill

13.2.7.1.1 Stepwise procedure of hot filling process

FIGURE 70 HOT FILLING PROCESS

#### 13.2.7.2 Cold fill

TABLE 149 COLD FILL TECHNOLOGIES

#### 13.2.7.3 Aseptic fill

FIGURE 71 ASEPTIC FILLING PROCESS

#### 13.2.7.4 Others

### 13.2.8 PET PACKAGING MARKET, BY REGION

#### 13.2.8.1 North America

#### 13.2.8.2 Europe

#### 13.2.8.3 Asia Pacific

#### 13.2.8.4 Rest of the World (RoW)

## 14 APPENDIX

### 14.1 DISCUSSION GUIDE

### 14.2 KNOWLEDGE STORE: MARKETSANDMARKETS' SUBSCRIPTION PORTAL

### 14.3 AVAILABLE CUSTOMIZATIONS

### 14.4 RELATED REPORTS

### 14.5 AUTHOR DETAILS

## About

This report covers combination of the global PET resin and PET resin market.

The important factors responsible for the growing demand of PET resin market are its light weight property, replacing traditional packaging materials, low cost compared to thermoset material, and the extensive availability of recycled beverage bottles.

Light weight, high insulation properties, dimensional stability, and cost-effectiveness compared to steel and aluminum are the driving factors for the growth of PBT market.

This report estimates the market size of PET & PBT resin market, both in terms of volume and value.

The PET resin market has been segmented on the basis of applications, such as bottles, films, food packaging, and others in terms of value and volume.

The PBT resin market has been segmented on the basis of end-use industries, such as automotive, electrical and electronics, consumer appliances, and others. Automotive applications include the consumption of PBT products used in the automotive industry. Electrical and electronics applications represent products used in automotive electronic and non-automotive electronic products.

Market drivers, restraints, opportunities, raw materials, and product price trends are discussed in detail.

Leading PET resin suppliers of this industry include Indorama Ventures (Thailand), Alpek (Mexico), M&G Chemicals (Luxembourg), SFX (China), FENC (Taiwan), Nanya Plastic (Taiwan), and Lotte Chemical (U.K.).

Leading PBT resin suppliers of this industry are Du Pont (U.S.), SABIC (Saudi Arabia), DSM (The Netherlands), Lanxess Corporation (Germany), Nanya Plastic (Taiwan), and Celanese Corporation (U.S.).

Geographical segmentation of the PET & PBT resin market divides it into four regions, namely, North America, Europe, Asia-Pacific, and Rest of the World.



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