

Global PDO, PTT Market Growth 2025-2031

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Abstracts

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The global PDO, PTT market size is predicted to grow from US\$ million in 2025 to US\$ million in 2031; it is expected to grow at a CAGR of %from 2025 to 2031.

1, 3-propanediol (PDO) is widely used and is mainly used to produce PTT polyester. PDO is a good solvent, antifreeze agent, protective agent, mainly used in the synthesis of plasticizer, detergent, preservative, emulsifier, also used in food, cosmetics and pharmaceutical industries, the most important use is as a monomer and terephthalic acid synthesis of new polyester materials - polyterephthalate (PTT). In addition, 1, 3-propanediol can be used to prepare other saturated polyesters, such as polynaphthalene propylene glycol diformate (PTN) and copolymerized polyesters. It is used to prepare new polyurethane including foaming products, adhesives, coatings and fine chemical products (including antifreeze, powder coating, solvent, road snow melting agent, medicine, etc.). With the continuous improvement of the industrialization technology of biobase 1, 3-propanediol and the expansion of its application field, its development prospect will be very broad. 1, 3-propanediol is an important monomer raw material of PTT polyester, and its industrialization process promotes the development of PTT polyester market. The high production cost and difficult industrial production of 1, 3-propanediol limited the industrial production of PTT.

Polyterephthalate (PTT) is an important industrial polyester, which is formed by condensation of 1, 3-propanediol (PDO) and terephthalic acid (PTA) or dimethyl terephthalate (DMT). It is a semi - aromatic, semi - crystalline thermoplastic that can be easily molded, thermoformed and spun into fibers. Its mechanical and thermophysical properties are similar to those of polyethylene terephthalate (PET), and its molding properties are comparable to that of polybutylene terephthalate (PBT). For example, it has good tensile and bending strength, good dimensional stability, and good fluidity and

surface finish. Like polyethylene terephthalate, it has good chemical resistance, including gasoline, carbon tetrachloride, oil, fat, alcohols, dilute acids, and bases.

United States market for PDO, PTT is estimated to increase from US\$ million in 2024 to US\$ million by 2031, at a CAGR of % from 2025 through 2031.

China market for PDO, PTT is estimated to increase from US\$ million in 2024 to US\$ million by 2031, at a CAGR of % from 2025 through 2031.

Europe market for PDO, PTT is estimated to increase from US\$ million in 2024 to US\$ million by 2031, at a CAGR of % from 2025 through 2031.

Global key PDO, PTT players cover Dupont, Glory, Zhouping Mingxing Chemical, etc. In terms of revenue, the global two largest companies occupied for a share nearly % in 2024.

LP Information, Inc. (LPI) ' newest research report, the "PDO, PTT Industry Forecast" looks at past sales and reviews total world PDO, PTT sales in 2024, providing a comprehensive analysis by region and market sector of projected PDO, PTT sales for 2025 through 2031. With PDO, PTT sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world PDO, PTT industry.

This Insight Report provides a comprehensive analysis of the global PDO, PTT landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyzes the strategies of leading global companies with a focus on PDO, PTT portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global PDO, PTT market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for PDO, PTT and breaks down the forecast by Type, by Application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global PDO, PTT.

This report presents a comprehensive overview, market shares, and growth opportunities of PDO, PTT market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

PDO

PTT

Segmentation by Application:

Industrial

Food

Pharmaceutical

Other

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analysing the company's coverage, product portfolio, its market penetration.

Dupont

Glory

Zhouping Mingxing Chemical

Key Questions Addressed in this Report

What is the 10-year outlook for the global PDO, PTT market?

What factors are driving PDO, PTT market growth, globally and by region?

Which technologies are poised for the fastest growth by market and region?

How do PDO, PTT market opportunities vary by end market size?

How does PDO, PTT break out by Type, by Application?

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