

Global Pharmaceutical Grade PDO Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

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Abstracts

According to our (Global Info Research) latest study, the global Pharmaceutical Grade PDO market size was valued at US\$ 268 million in 2025 and is forecast to a readjusted size of US\$ 437 million by 2032 with a CAGR of 7.2% during review period.

In 2025, global Pharmaceutical Grade PDO production reached approximately 1,444.44 tons, with an average global market price of around US\$180 per kg.

The gross profit margin of major companies in the industry is between 35%-55%.

In 2025, the global production capacity of Pharmaceutical Grade PDO was approximately 1,925.93 tons.

Pharmaceutical Grade PDO is a high-purity absorbable polymer material mainly used in medical sutures, aesthetic lifting threads, orthopedic fixation materials, tissue engineering carriers, and other implantable or medical-grade products. It requires strict control of purity, molecular weight, residual monomers, biocompatibility, degradation behavior, sterilization adaptability, and regulatory compliance for medical and pharmaceutical applications.

The industrial chain of Pharmaceutical Grade PDO covers upstream monomers, catalysts, purification agents, polymerization equipment, solvents, sterile packaging, and testing reagents. The midstream consists of polymerization, purification, drying, granulation, sterilization validation, quality control, and medical-grade documentation. Downstream applications mainly include absorbable sutures, aesthetic threads, orthopedic materials, wound closure products, tissue repair materials, and medical

device manufacturing.

Growing demand for medical absorbable sutures and anti-aging cosmetic materials fuels the market expansion of pharmaceutical grade PDO. With excellent biocompatibility and degradability, it is widely used in clinical medical and aesthetic injection fields. Strict purification standards and stable molecular structure further ensure product safety and reliability.

This report is a detailed and comprehensive analysis for global Pharmaceutical Grade PDO market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

Key Features:

Global Pharmaceutical Grade PDO market size and forecasts, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/Ton), 2021-2032

Global Pharmaceutical Grade PDO market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/Ton), 2021-2032

Global Pharmaceutical Grade PDO market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/Ton), 2021-2032

Global Pharmaceutical Grade PDO market shares of main players, shipments in revenue (\$ Million), sales quantity (Tons), and ASP (US\$/Ton), 2021-2026

The Primary Objectives in This Report Are:

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for Pharmaceutical Grade PDO

To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

This report profiles key players in the global Pharmaceutical Grade PDO market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Evonik, Poly-Med, BMG Incorporated, Teleflex Medical OEM, Johnson & Johnson MedTech, B. Braun, Serag-Wiessner, Katsan Medical Devices, Biosintex, Peters Surgical, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Market Segmentation

Pharmaceutical Grade PDO market is split by Type and by Application. For the period 2021-2032, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

PDO Resin

PDO Monofilament

PDO Microparticles

Market segment by Application Grade

Suture Grade PDO

Aesthetic Thread Grade PDO

Implantable Material Grade PDO

Market segment by Molecular Weight

Low Molecular Weight (<100 kDa)

Medium Molecular Weight (100-300 kDa)

High Molecular Weight (>300 kDa)

Market segment by Application

Absorbable Sutures

Aesthetic Lifting Threads

Tissue Repair Implants

Other

Major players covered

Evonik

Poly-Med

BMG Incorporated

Teleflex Medical OEM

Johnson & Johnson MedTech

B. Braun

Serag-Wiessner

Katsan Medical Devices

Biosintex

Peters Surgical

Shenzhen Polymtek Biomaterial

Suzhou Qihang Biotechnology

Chengdu Future Element Biomaterials

Market segment by region, regional analysis covers

North America (United States, Canada, and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Pharmaceutical Grade PDO product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Pharmaceutical Grade PDO, with price, sales quantity, revenue, and global market share of Pharmaceutical Grade PDO from 2021 to 2026.

Chapter 3, the Pharmaceutical Grade PDO competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Pharmaceutical Grade PDO breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by

regions, from 2021 to 2032.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2021 to 2032.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value, and market share for key countries in the world, from 2021 to 2026. and Pharmaceutical Grade PDO market forecast, by regions, by Type, and by Application, with sales and revenue, from 2027 to 2032.

Chapter 12, market dynamics, drivers, restraints, trends, and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Pharmaceutical Grade PDO.

Chapter 14 and 15, to describe Pharmaceutical Grade PDO sales channel, distributors, customers, research findings and conclusion.

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