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Global High-Purity PLGA Polymers for Long-Acting Injectables Supply, Demand and Key Producers, 2026-2032

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Abstracts

The global High-Purity PLGA Polymers for Long-Acting Injectables market size is expected to reach $ 169 million by 2032, rising at a market growth of 12.3% CAGR during the forecast period (2026-2032).

In 2025, global sales volume of high-purity pharmaceutical-grade PLGA polymers for injectable long-acting formulations reached approximately 4.8 metric tons, with an average selling price of around US$15,000/kg and a market size of approximately US$72 million. High-purity pharmaceutical-grade PLGA polymers for injectable long-acting formulations refer to biodegradable pharmaceutical polymers synthesized by copolymerization of lactide and glycolide monomers, featuring good biocompatibility, controllable degradation and sustained drug release performance. These products are typically supplied in a range of lactide/glycolide ratios, molecular weights, inherent viscosities and end-group structures to support different release profiles and formulation stability requirements. This market focuses on high-purity pharmaceutical-grade PLGA polymers used in injectable controlled-release drug delivery systems, including long-acting injectables, sustained-release microspheres, in-situ forming depot systems, biodegradable drug-eluting implants and nanoparticle drug delivery systems.

On the demand side, long-acting drug delivery has become an important approach for pharmaceutical companies to improve patient adherence, extend product life cycles and differentiate formulations. Therapeutic areas such as central nervous system disorders, endocrinology, oncology supportive care, addiction treatment and chronic disease management all create demand for injectable controlled-release products. This is driving pharmaceutical companies and formulation CDMOs to procure high-purity, customizable and registration-ready PLGA materials. Compared with medical device-

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grade or research-grade PLGA, injectable pharmaceutical-grade PLGA requires stricter control over purity, molecular weight distribution, end-group chemistry, residual monomers, residual solvents and endotoxin levels, supporting its premium pricing and strong customer stickiness.

From a competitive perspective, the global high-end pharmaceutical-grade PLGA market remains concentrated among a limited number of suppliers in Europe, the United States and Japan. Companies such as Evonik, Corbion, Ashland, SEQENS and Mitsui Chemicals hold advantages in product portfolios, quality systems, regulatory support and customer validation. Chinese suppliers are entering the market through pharmaceutical excipient registration, injectable-grade product development and domestic substitution opportunities, but still need to strengthen their capabilities in batch consistency, scale-up quality control, international regulatory support and commercial customer validation. Future competition is expected to focus less on price and more on regulatory documentation, customization capability, supply reliability and deep integration with formulation development projects.

Overall, this is a high-quality niche market with strong research value and solid customer interest. The global market size is estimated at approximately US$72 million in 2025 and is expected to reach around US$82 million in 2026, with a projected CAGR of about 12.6% from 2026 to 2032. Given the long development cycle of long-acting injectables, the high cost of material replacement and the limited number of qualified suppliers, this market is not a large-volume commodity segment, but it is well suited as a focused research topic within high-end pharmaceutical excipients, complex formulation upstream materials and drug delivery materials.

This report studies the global High-Purity PLGA Polymers for Long-Acting Injectables production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for High-Purity PLGA Polymers for Long-Acting Injectables and provides market size (US$ million) and Year-over-Year (YoY) Growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of High-Purity PLGA Polymers for Long-Acting Injectables that contribute to its increasing demand across many markets.

Highlights and key features of the study
Global High-Purity PLGA Polymers for Long-Acting Injectables total production and demand, 2021-2032, (Tons)

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Global High-Purity PLGA Polymers for Long-Acting Injectables total production value, 2021-2032, (USD Million)
Global High-Purity PLGA Polymers for Long-Acting Injectables production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (Tons), (based on production site)
Global High-Purity PLGA Polymers for Long-Acting Injectables consumption by region & country, CAGR, 2021-2032 & (Tons)
U.S. VS China: High-Purity PLGA Polymers for Long-Acting Injectables domestic production, consumption, key domestic manufacturers and share
Global High-Purity PLGA Polymers for Long-Acting Injectables production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (Tons)
Global High-Purity PLGA Polymers for Long-Acting Injectables production by Type, production, value, CAGR, 2021-2032, (USD Million) & (Tons)
Global High-Purity PLGA Polymers for Long-Acting Injectables production by Application, production, value, CAGR, 2021-2032, (USD Million) & (Tons)

This report profiles key players in the global High-Purity PLGA Polymers for Long-Acting Injectables market based on the following parameters - company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Evonik Industries AG, Corbion N.V., Ashland Inc., SEQENS, Mitsui Chemicals, Inc., Nanjing Well Pharmaceutical Group Co., Ltd., Guangzhou DiQi Pharmaceuticals Co., Ltd., Nomisma Healthcare Pvt. Ltd., Zhejiang Langhua Pharmaceutical Co., Ltd., Hunan Er-Kang Pharmaceutical Co., Ltd., etc.

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

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World High-Purity PLGA Polymers for Long-Acting Injectables market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US$ Millions), volume (production, consumption) & (Tons) and average price (US$/kg) by manufacturer, by Type, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the

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forecast year.

Global High-Purity PLGA Polymers for Long-Acting Injectables Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global High-Purity PLGA Polymers for Long-Acting Injectables Market, Segmentation by Type:

PLGA 50:50

PLGA 75:25

PLGA 85:15

Other Ratios and Customized PLGA

Global High-Purity PLGA Polymers for Long-Acting Injectables Market, Segmentation by End User:

Pharmaceutical Companies and Marketing Authorization Holders

Formulation CDMOs and Drug Delivery Development Service Providers

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Research Institutions and Translational R&D Platforms

Other End Users

Global High-Purity PLGA Polymers for Long-Acting Injectables Market, Segmentation by Application:

Sustained-release Microspheres

In-situ Forming Depot Systems

Biodegradable Drug-eluting Implants

Nanoparticle Drug Delivery Systems

Other Parenteral Controlled-release Applications

Companies Profiled:

Evonik Industries AG

Corbion N.V.

Ashland Inc.

SEQENS

Mitsui Chemicals, Inc.

Nanjing Well Pharmaceutical Group Co., Ltd.

Guangzhou DiQi Pharmaceuticals Co., Ltd.

Nomisma Healthcare Pvt. Ltd.

Zhejiang Langhua Pharmaceutical Co., Ltd.

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Hunan Er-Kang Pharmaceutical Co., Ltd.

Shanghai Libaimei Biotechnology Co., Ltd.

Zhejiang Bangyao Biomaterials Co., Ltd.

Key Questions Answered:
1. How big is the global High-Purity PLGA Polymers for Long-Acting Injectables market?
2. What is the demand of the global High-Purity PLGA Polymers for Long-Acting Injectables market?
3. What is the year over year growth of the global High-Purity PLGA Polymers for Long-Acting Injectables market?
4. What is the production and production value of the global High-Purity PLGA Polymers for Long-Acting Injectables market?
5. Who are the key producers in the global High-Purity PLGA Polymers for Long-Acting Injectables market?
6. What are the growth factors driving the market demand?

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