

# Global Gland Packing for Valves and Pumps Supply, Demand and Key Producers, 2026-2032

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## Abstracts

The global Gland Packing for Valves and Pumps market size is expected to reach \$ 2150 million by 2032, rising at a market growth of 4.9% CAGR during the forecast period (2026-2032).

Gland packing for valves and pumps is a soft sealing material installed in a stuffing box and compressed by a gland follower to generate radial sealing stress. In international industrial practice, it is commonly referred to as gland packing, compression packing, or braided packing. The product is typically braided from PTFE yarn, expanded graphite, aramid fiber, carbon fiber, acrylic fiber, or hybrid fiber combinations, and is supplied in square, rectangular, or die-formed ring configurations for valve stems, pump shafts, and other reciprocating or rotating equipment. Its core function is to balance sealing performance, wear resistance, friction control, and maintainability under fluctuating temperature, pressure, chemical exposure, and shaft speed conditions. It is widely used across oil and gas, petrochemicals, power generation, metallurgy, mining, pulp and paper, pharmaceuticals, food processing, marine, water treatment, and wastewater systems. Major production and supply bases are concentrated in China, the United States, Germany, the United Kingdom, Japan, Italy, and India. China holds a strong position in volume manufacturing and export of standard braided packings, while suppliers in Europe, the United States, and Japan remain stronger in low-emission, high-purity, high-temperature, and severe-service formulations.

Based on public market references, mainstream product pricing, and current industry growth signals, global gland packing output for valves and pumps reached approximately 100,000 to 130,000 metric tons in 2025. Mainstream factory-gate FOB pricing was generally in the range of USD 8 to USD 16 per kilogram, while specialty graphite, PTFE, and aramid composite grades could extend to roughly USD 18 to USD

25 per kilogram.

From the perspective of industrial sealing evolution, gland packing for valves and pumps is not simply a legacy product being rapidly displaced by newer technologies. It remains an essential sealing solution in severe-duty services involving high temperature, high pressure, corrosive fluids, solids-laden media, and frequent maintenance cycles. Process industries such as petrochemicals, power generation, mining, pulp and paper, and marine operations continue to value packing-based sealing because it is adjustable, serviceable, and more tolerant of shaft runout and vibration than many alternative sealing systems. At the same time, tighter fugitive-emissions expectations under standards such as API 622, API 624, and ISO 15848 are reshaping the category, pushing graphite-, PTFE-, and hybrid-fiber packings from commodity consumables toward higher-value engineered sealing components. Procurement decisions are therefore shifting away from pure price comparison and toward leakage control, friction behavior, service life, and maintenance interval, which is steadily improving the product mix of the global market.

The market, however, is entering a more differentiated competitive phase. In clean-fluid, high-speed, and reliability-critical pump applications, mechanical seals continue to replace part of the conventional packing demand. At the same time, volatility in PTFE, graphite, and aramid input costs creates margin pressure for lower-end manufacturers. Global upstream oil and gas investment softened in 2025, which may slow portions of new-project demand, yet the installed base of process equipment, plant turnarounds, replacement cycles, and expanding water infrastructure still provides a resilient demand foundation. Over the next several years, downstream consumption is likely to develop along two parallel tracks: one led by refineries, chemical plants, and power assets seeking low-emission and compliance-driven sealing upgrades, and another driven by municipal water, wastewater, slurry handling, and general industrial pump systems that require abrasion resistance, corrosion resistance, and easy field maintenance. As a result, the industry is unlikely to grow explosively, but it is well positioned for steady expansion, with future value creation increasingly concentrated in higher-performance, composite, and application-specific packing solutions.

This report studies the global Gland Packing for Valves and Pumps production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Gland Packing for Valves and Pumps 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 Gland Packing for Valves and Pumps that contribute to its increasing demand across many markets.

### **Highlights and key features of the study**

Global Gland Packing for Valves and Pumps total production and demand, 2021-2032, (K MT)

Global Gland Packing for Valves and Pumps total production value, 2021-2032, (USD Million)

Global Gland Packing for Valves and Pumps production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (K MT), (based on production site)

Global Gland Packing for Valves and Pumps consumption by region & country, CAGR, 2021-2032 & (K MT)

U.S. VS China: Gland Packing for Valves and Pumps domestic production, consumption, key domestic manufacturers and share

Global Gland Packing for Valves and Pumps production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (K MT)

Global Gland Packing for Valves and Pumps production by Type, production, value, CAGR, 2021-2032, (USD Million) & (K MT)

Global Gland Packing for Valves and Pumps production by Application, production, value, CAGR, 2021-2032, (USD Million) & (K MT)

This report profiles key players in the global Gland Packing for Valves and Pumps 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 Ningbo Kaxite Sealing Materials Co., Ltd., Zhejiang Top Sealing and Insulation Co., Ltd., Ningbo Tiansheng Sealing Co., Ltd., A.W. Chesterton Company, James Walker Group Limited, TEADIT Group, GROUPE LATTY, PILLAR Corporation, KLINGER Group, Garlock Sealing Technologies LLC, 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 Gland Packing for Valves and Pumps market

### **Detailed Segmentation:**

Each section contains quantitative market data including market by value (US\$

Millions), volume (production, consumption) & (K MT) 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 forecast year.

Global Gland Packing for Valves and Pumps Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Gland Packing for Valves and Pumps Market, Segmentation by Type:

Graphite Based

PTFE Based

Aramid and Composite Fiber Based

Others

Global Gland Packing for Valves and Pumps Market, Segmentation by End Use Industry:

Oil and Gas and Petrochemical

Chemical and Process Industries

Water and Wastewater

Others

Global Gland Packing for Valves and Pumps Market, Segmentation by Product Construction:

Interbraid and Lattice Braid

Square Braid

Braid Over Core

Others

Global Gland Packing for Valves and Pumps Market, Segmentation by Product Form:

Spool Packing

Cut Rings

Die Formed Ring Sets

Global Gland Packing for Valves and Pumps Market, Segmentation by Application:

Pumps

Valves

Mixers and Agitators

Others

**Companies Profiled:**

Ningbo Kaxite Sealing Materials Co., Ltd.

Zhejiang Top Sealing and Insulation Co., Ltd.

Ningbo Tiansheng Sealing Co., Ltd.

A.W. Chesterton Company

James Walker Group Limited

TEADIT Group

GROUPE LATTY

PILLAR Corporation

KLINGER Group

Garlock Sealing Technologies LLC

SEPCO, Inc.

Carrara S.p.A.

**Key Questions Answered:**

1. How big is the global Gland Packing for Valves and Pumps market?
2. What is the demand of the global Gland Packing for Valves and Pumps market?
3. What is the year over year growth of the global Gland Packing for Valves and Pumps market?
4. What is the production and production value of the global Gland Packing for Valves and Pumps market?
5. Who are the key producers in the global Gland Packing for Valves and Pumps market?
6. What are the growth factors driving the market demand?

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