

# Global Nitrogen Selective Membrane Supply, Demand and Key Producers, 2026-2032

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## Abstracts

The global Nitrogen Selective Membrane market size is expected to reach \$ 2402 million by 2032, rising at a market growth of 6.2% CAGR during the forecast period (2026-2032).

Nitrogen selective membranes are polymer-based gas separation materials designed to preferentially permeate oxygen and other fast gases while retaining nitrogen, enabling on-site nitrogen generation from compressed air. In 2025, the average global price of nitrogen selective membranes is approximately US\$30 per square meter, with global annual sales volume and production both estimated at around 50.6 million square meters of effective membrane area. The industry typically maintains a gross margin range of 35%-55%, driven by membrane polymer formulation, hollow-fiber or flat-sheet fabrication technology, packing density efficiency, gas separation performance, and long-term stability under pressure and humidity. The supply chain includes upstream polymer resins, additives, membrane spinning or casting equipment, and potting materials; midstream manufacturers focus on membrane fabrication, module assembly, performance testing, and quality control; downstream users include food and beverage packaging, electronics manufacturing, oil and gas operations, metal processing, chemical plants, and general industrial users requiring on-site nitrogen.

The market trend for nitrogen selective membranes is showing significant growth and increasing demand. Here are some key factors contributing to this trend:1. Growing demand for nitrogen gas separation: Nitrogen gas separation is required in various industries such as chemical, petrochemical, oil and gas, pharmaceutical, and food and beverage. Nitrogen selective membranes offer an efficient and cost-effective solution for separating nitrogen gas from other gases, such as oxygen and carbon dioxide.2.

Technological advancements: Continuous advancements in membrane technology have led to the development of more efficient and selective nitrogen membranes. These membranes offer high nitrogen permeability while effectively rejecting other gases,

resulting in improved separation efficiency.

This report studies the global Nitrogen Selective Membrane production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Nitrogen Selective Membrane 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 Nitrogen Selective Membrane that contribute to its increasing demand across many markets.

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

Global Nitrogen Selective Membrane total production and demand, 2021-2032, (K Sqm)

Global Nitrogen Selective Membrane total production value, 2021-2032, (USD Million)

Global Nitrogen Selective Membrane production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (K Sqm), (based on production site)

Global Nitrogen Selective Membrane consumption by region & country, CAGR, 2021-2032 & (K Sqm)

U.S. VS China: Nitrogen Selective Membrane domestic production, consumption, key domestic manufacturers and share

Global Nitrogen Selective Membrane production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (K Sqm)

Global Nitrogen Selective Membrane production by Type, production, value, CAGR, 2021-2032, (USD Million) & (K Sqm)

Global Nitrogen Selective Membrane production by Application, production, value, CAGR, 2021-2032, (USD Million) & (K Sqm)

This report profiles key players in the global Nitrogen Selective Membrane 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 Air Products and Chemicals, UBE, Parker Hannifin, IGS, Air Liquide, Evonik, DIC, Grasys, Tianbang, Sepuran, 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 Nitrogen Selective Membrane market

### **Detailed Segmentation:**

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (K Sqm) and average price (US\$/Sq m) 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 Nitrogen Selective Membrane Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

#### Global Nitrogen Selective Membrane Market, Segmentation by Type:

Inorganic Membranes

Polymeric Membranes

#### Global Nitrogen Selective Membrane Market, Segmentation by Nitrogen Purity Level:

Low Purity (90%-95%)

Medium Purity (95%-99%)

High Purity (>99%)

#### Global Nitrogen Selective Membrane Market, Segmentation by Operating Pressure Range:

Low Pressure

Medium Pressure

High Pressure

Global Nitrogen Selective Membrane Market, Segmentation by Application:

Food Packaging

Electronics Manufacturing

Oil & Gas

Metal Processing

Chemical

Others

**Companies Profiled:**

Air Products and Chemicals

UBE

Parker Hannifin

IGS

Air Liquide

Evonik

DIC

Grasys

Tianbang

Sepuran

DIC Corporation

PCI Gases

Generon

Atlas Copco

**Key Questions Answered:**

1. How big is the global Nitrogen Selective Membrane market?
2. What is the demand of the global Nitrogen Selective Membrane market?
3. What is the year over year growth of the global Nitrogen Selective Membrane market?
4. What is the production and production value of the global Nitrogen Selective Membrane market?
5. Who are the key producers in the global Nitrogen Selective Membrane market?
6. What are the growth factors driving the market demand?

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