

Global Active Oxygen Absorber Packaging Supply, Demand and Key Producers, 2026-2032

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Abstracts

The global Active Oxygen Absorber Packaging market size is expected to reach \$ 1634 million by 2032, rising at a market growth of 6.4% CAGR during the forecast period (2026-2032).

Active Oxygen Absorber Packaging refers to an advanced packaging technology that actively removes or absorbs residual oxygen within the package through oxygen-absorbing materials (such as iron-based compounds, ascorbic acid, or enzymatic agents) incorporated into films, sachets, or coatings. By reducing oxygen levels, these packaging systems prevent oxidation, microbial growth, and spoilage, ensuring product freshness, color retention, and flavor stability. Oxygen absorbers, also known as oxygen scavengers, are substances used to remove or decrease the level of oxygen in packaging, thus preserving the quality and shelf life of perishable products. The primary components of oxygen scavengers include iron powder, ascorbic acid, and enzymes, which react with oxygen to form non-reactive compounds. Oxygen absorber packaging is widely used in food, pharmaceuticals, healthcare products, and electronics, where oxygen can cause degradation or spoilage. The global average selling price for active oxygen absorber packaging products is approximately US\$0.35 per unit. The average sales volume in the base year is estimated at 2,928.6 million units. The industry average gross margin is approximately 32%, with typical ranges between 25% and 40%. The upstream segment includes manufacturers of iron powder, ascorbic acid, enzymes, polymers, and other raw materials. The midstream segment comprises oxygen absorber packaging manufacturers that formulate, produce, and distribute finished products in various forms including sachets, canisters, films, and masterbatches. The downstream segment encompasses food and beverage companies, pharmaceutical manufacturers, healthcare product producers, electronics manufacturers, and other industries that utilize these packaging solutions for shelf life

extension and quality preservation.

The Active Oxygen Absorber Packaging market is undergoing significant transformation driven by the convergence of regulatory pressure, technological innovation, and evolving consumer preferences for longer-lasting, sustainable products. The industry is witnessing a fundamental shift from traditional passive packaging to active packaging solutions that actively interact with the product environment to extend shelf life and maintain quality.

The increasing demand for packaged and convenience foods, driven by changing consumer lifestyles and preferences, is creating a substantial need for effective packaging solutions to extend shelf life and ensure food safety. Retailers and manufacturers increasingly rely on oxygen scavenger packaging to minimize spoilage, reduce food waste, and maintain product integrity during transportation and storage. Rising awareness about food waste and the need for sustainable packaging solutions are promoting the use of oxygen absorbers to reduce spoilage and extend the usability of products.

The pharmaceutical industry's growth, coupled with stringent regulations on drug safety and efficacy, is boosting the demand for oxygen absorbers to protect sensitive medications from oxidation. In healthcare applications, oxygen absorbers help maintain the stability and efficacy of oxygen-sensitive pharmaceuticals and nutraceuticals. The expansion of the global supply chain and the need to preserve product quality during long-distance transportation are further driving the market.

This report studies the global Active Oxygen Absorber Packaging production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Active Oxygen Absorber Packaging 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 Active Oxygen Absorber Packaging that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Active Oxygen Absorber Packaging total production and demand, 2021-2032, (Million Units)

Global Active Oxygen Absorber Packaging total production value, 2021-2032, (USD Million)

Global Active Oxygen Absorber Packaging production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (Million Units), (based on production site)

Global Active Oxygen Absorber Packaging consumption by region & country, CAGR, 2021-2032 & (Million Units)

U.S. VS China: Active Oxygen Absorber Packaging domestic production, consumption, key domestic manufacturers and share

Global Active Oxygen Absorber Packaging production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (Million Units)

Global Active Oxygen Absorber Packaging production by Type, production, value, CAGR, 2021-2032, (USD Million) & (Million Units)

Global Active Oxygen Absorber Packaging production by Application, production, value, CAGR, 2021-2032, (USD Million) & (Million Units)

This report profiles key players in the global Active Oxygen Absorber Packaging 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 Multisorb Technologies, Mitsubishi Gas Chemical Company, BASF SE, Clariant AG, Albis Plastic GmbH, Avient Corporation, Aptar CSP Technologies, Sanner GmbH, Amcor, Colorcon, 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 Active Oxygen Absorber Packaging market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (Million Units) and average price (US\$/Unit) 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 Active Oxygen Absorber Packaging Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Active Oxygen Absorber Packaging Market, Segmentation by Type:

Metallic Oxygen Scavengers

Non-Metallic Oxygen Scavengers

Global Active Oxygen Absorber Packaging Market, Segmentation by Integration Method:

Sachet Integration

Film Integration

Coating Integration

Masterbatch Integration

Global Active Oxygen Absorber Packaging Market, Segmentation by Application Temperature:

Ambient Temperature

Refrigerated

Frozen

Global Active Oxygen Absorber Packaging Market, Segmentation by Application:

Food Packaging

Pharmaceutical Packaging

Healthcare Packaging

Industrial Packaging

Electronics Packaging

Companies Profiled:

Multisorb Technologies

Mitsubishi Gas Chemical Company

BASF SE

Clariant AG

Albis Plastic GmbH

Avient Corporation

Aptar CSP Technologies

Sanner GmbH

Amcor

Colorcon

Ecolab Inc.

Desiccare, Inc.

WiseSorbent Technology

EMCO Packaging Systems

Gabriel-Chemie

Hangzhou Super Star Packaging Material

Canjoy Future Technology Industry (Hangzhou)

Shenzhen Chunwang New Materials

Key Questions Answered:

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

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