

Global Paper Strength Enhancer Supply, Demand and Key Producers, 2026-2032

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Abstracts

The global Paper Strength Enhancer market size is expected to reach \$ 1044 million by 2032, rising at a market growth of 7.8% CAGR during the forecast period (2026-2032). Paper strength enhancers are a class of functional chemical additives used in the papermaking process. They are primarily used to improve the dry and/or wet strength of paper, thereby improving its tensile, burst, and tear resistance during printing, packaging, transportation, and use. These enhancers typically work by strengthening the hydrogen bonding between fibers, forming chemical cross-linked structures, or building polymer networks on the fiber surface. Common types include starch and its modified forms, polyacrylamide (PAM), polyethyleneimine (PEI), and wet-strength resins. Paper strength enhancers are widely used in the production of cultural paper, packaging paper, corrugated base paper, tissue paper, and specialty paper. They are an important technical means to improve paper quality and achieve lightweighting and high performance without significantly increasing fiber usage and cost. Sales volume in 2025 was 450,000 tons, with an average price of US\$1,250 per ton. Total production capacity was 500,000 tons, with a gross profit margin of 44%.

Against the backdrop of the global paper industry entering a mature stage, paper strength enhancers have not weakened with the slowdown in paper demand growth; on the contrary, they continue to benefit from the trends of 'cost reduction and efficiency improvement' and 'lightweighting.' On the one hand, long-term fluctuations in pulp prices and increasing environmental pressures have prompted paper manufacturers to add strength enhancers to reduce unit weight and fiber usage while maintaining or even improving paper strength indicators. On the other hand, the increasing demands for compression and burst resistance in packaging paper, corrugated paper, and industrial paper have led to a continuous increase in the penetration rate of dry strength enhancers in linerboard and corrugated base paper. The market logic has shifted from 'optional additives to improve quality' to 'essential additives to ensure a balance

between cost and performance,' especially in the field of low-to-medium weight packaging paper, where strength enhancers have become a standard component in formulation systems.

In the medium to long term, the core change in the paper strength enhancer market lies not in a surge in usage, but in product structure upgrades. Traditional synthetic strength enhancers are facing stricter environmental and emission constraints, while green, biodegradable, or low-toxicity products, represented by modified starch, bio-based polymers, and low-residue, high-efficiency PAM, are rapidly replacing them.

Simultaneously, paper manufacturers' requirements for additives are evolving from 'single strength enhancement' to a composite function encompassing 'strength + retention + drainage + paper stability,' driving the development of strength enhancers towards polymer-oriented design, controllable molecular weight, and system synergy. Overall, future industry competition will focus on technological adaptability, on-site application optimization capabilities, and comprehensive solutions that help customers achieve long-term operational stability, rather than simply product price.

This report studies the global Paper Strength Enhancer production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Paper Strength Enhancer 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 Paper Strength Enhancer that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Paper Strength Enhancer total production and demand, 2021-2032, (Tons)

Global Paper Strength Enhancer total production value, 2021-2032, (USD Million)

Global Paper Strength Enhancer production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (Tons), (based on production site)

Global Paper Strength Enhancer consumption by region & country, CAGR, 2021-2032 & (Tons)

U.S. VS China: Paper Strength Enhancer domestic production, consumption, key domestic manufacturers and share

Global Paper Strength Enhancer production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (Tons)

Global Paper Strength Enhancer production by Type, production, value, CAGR, 2021-2032, (USD Million) & (Tons)

Global Paper Strength Enhancer production by Application, production, value, CAGR, 2021-2032, (USD Million) & (Tons)

This report profiles key players in the global Paper Strength Enhancer 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 Seiko PMC, Kemira, BASF, Harima Chemicals, Asahi Kasei, Solenis, Kurita, Arakawa Chemical Industries, Ltd., Ecolab, Borregaard, 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 Paper Strength Enhancer market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (Tons) and average price (US\$/Ton) 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 Paper Strength Enhancer Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Paper Strength Enhancer Market, Segmentation by Type:

Wet Strength Agent

Dry Strength Agent

Global Paper Strength Enhancer Market, Segmentation by Addition Point:

Wet-end Strength Agents

Surface Sizing Strength Agents

Global Paper Strength Enhancer Market, Segmentation by Chemical Composition:

Cationic Starch

Anionic Starch

Global Paper Strength Enhancer Market, Segmentation by Application:

Paper

Paper Board

Others

Companies Profiled:

Seiko PMC

Kemira

BASF

Harima Chemicals

Asahi Kasei

Solenis

Kurita

Arakawa Chemical Industries,Ltd.

Ecolab

Borregaard

Jiangsu Sanrui

Shandong Nuoer Biological Technology Co., Ltd.

Axchem Korea

Mare Austria GmbH

OCHS Chemical

ITOCHU CHEMICAL FRONTIER Corporation

Chang Chun Group

Korfez Kimya

Delamine

Akkim Kimya

Chengming Chemical

Aurora Specialty Chemistries

Orient Packagings Limited (OPL)

Adhesion Group of Industries

Key Questions Answered:

1. How big is the global Paper Strength Enhancer market?
2. What is the demand of the global Paper Strength Enhancer market?
3. What is the year over year growth of the global Paper Strength Enhancer market?

4. What is the production and production value of the global Paper Strength Enhancer market?
5. Who are the key producers in the global Paper Strength Enhancer market?
6. What are the growth factors driving the market demand?

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