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Global Water Soluble Warp Sizing Agent Supply, Demand and Key Producers, 2026-2032

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Abstracts

The global Water Soluble Warp Sizing Agent market size is expected to reach $ 5370 million by 2032, rising at a market growth of 4.9% CAGR during the forecast period (2026-2032).

In 2025, global production of Water Soluble Warp Sizing Agents reached approximately 1.68 million tons, with an average selling price of approximately US$2,260 per ton, production capacity of approximately 2.05 million tons, and an industry average gross margin of approximately 24.5%.

Water Soluble Warp Sizing Agents are textile chemicals applied to warp yarns before weaving that dissolve or disperse in water to form sizing liquors or film-forming systems. Their principal components include modified starch, polyvinyl alcohol (PVA), polyacrylates, water-soluble polyesters, carboxymethyl cellulose (CMC), and composite polymers. After drying, the agent forms a continuous protective film on the yarn surface, improving yarn strength, abrasion resistance, hairiness control, and weaving stability while reducing warp breakage and fuzz formation during high-speed weaving. After weaving, the sizing film can generally be removed using hot water, alkaline solutions, or enzymatic treatment to prepare the fabric for subsequent dyeing, printing, and finishing.

The global Water Soluble Warp Sizing Agent market is closely related to woven-fabric output and operating rates in weaving mills, with demand concentrated in major textile-producing regions such as China, India, Bangladesh, Pakistan, Vietnam, and Türkiye. Modified starch accounts for a substantial share of consumption because of its relatively low cost, broad raw-material availability, and suitability for cotton yarns. PVA provides strong film-forming performance, abrasion resistance, and adhesion to various fibers, while polyacrylates and water-soluble polyesters are used more frequently for polyester,

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nylon, and high-density fabrics requiring better adhesion and desizing performance. Market development is shifting toward low-PVA or PVA-free, readily desizable, low-COD, recyclable, and bio-based formulations, although environmentally preferable products still face challenges involving cost, film performance, and compatibility with different fibers. The adoption of high-speed looms and fine-count, high-density fabrics is also raising requirements for film strength, abrasion resistance, formulation stability, and technical support, encouraging suppliers to move from individual sizing materials toward customized formulation solutions for specific yarns and weaving processes.

Report Scope

This report studies the global Water Soluble Warp Sizing Agent production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Water Soluble Warp Sizing Agent 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 Water Soluble Warp Sizing Agent that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Water Soluble Warp Sizing Agent total production and demand, 2021-2032, (Tons)

Global Water Soluble Warp Sizing Agent total production value, 2021-2032, (USD Million)

Global Water Soluble Warp Sizing Agent production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (Tons), (based on production site)

Global Water Soluble Warp Sizing Agent consumption by region & country, CAGR, 2021-2032 & (Tons)

U.S. VS China: Water Soluble Warp Sizing Agent domestic production,

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consumption, key domestic manufacturers and share

Global Water Soluble Warp Sizing Agent production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (Tons)

Global Water Soluble Warp Sizing Agent production by Type, production, value, CAGR, 2021-2032, (USD Million) & (Tons)

Global Water Soluble Warp Sizing Agent production by Application, production, value, CAGR, 2021-2032, (USD Million) & (Tons)

This report profiles key players in the global Water Soluble Warp Sizing Agent 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 Matsumoto Yushi-Seiyaku Co, Zschimmer & Schwarz, Dai-ichi Kogyo Seiyaku Co, Mizobata Chemical Inc, TAKEMOTO OIL & FAT CO, BOZZETTO Group, Archroma, Pulcra Chemicals, Rossari Biotech, Zhejiang Huangma Technology Co, 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 Water Soluble Warp Sizing Agent 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 Water Soluble Warp Sizing Agent Market, By Region:

United States

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China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Market Segmentation

Global Water Soluble Warp Sizing Agent Market, Segmentation by Type:

Polyurethane Type

Polyester Type

Other

Global Water Soluble Warp Sizing Agent Market, Segmentation by Solid Content:

Low Solid Content Type (<30%)

Medium Solid Content Type (30%–50%)

High Solid Content Type (>50%)

Solid Powder Type (Typically ?95%)

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Global Water Soluble Warp Sizing Agent Market, Segmentation by Applicable Warp Yarn Type:

For Cotton and Cotton-blended Warp Yarns

For Polyester and Polyester-blended Warp Yarns

For Nylon Warp Yarns

For Viscose and Regenerated Cellulose Warp Yarns

For Other Synthetic Fiber Warp Yarns

Global Water Soluble Warp Sizing Agent Market, Segmentation by Application:

Clothing

Industrial Materials

Other

Companies Profiled:

Matsumoto Yushi-Seiyaku Co

Zschimmer & Schwarz

Dai-ichi Kogyo Seiyaku Co

Mizobata Chemical Inc

TAKEMOTO OIL & FAT CO

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BOZZETTO Group

Archroma

Pulcra Chemicals

Rossari Biotech

Zhejiang Huangma Technology Co

Transfar Group

Shanghai Baolijia Chemical Co

Schill & Seilacher

NICCA

Rudolf GmbH

Key Questions Answered

1. How big is the global Water Soluble Warp Sizing Agent market?
2. What is the demand of the global Water Soluble Warp Sizing Agent market?
3. What is the year over year growth of the global Water Soluble Warp Sizing Agent market?
4. What is the total value of the global Water Soluble Warp Sizing Agent market?
5. Who are the Major Players in the global Water Soluble Warp Sizing Agent market?
6. What are the growth factors driving the market demand?

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