

# Global Copper Ion Antibacterial Yarn Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

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## Abstracts

According to our (Global Info Research) latest study, the global Copper Ion Antibacterial Yarn market size was valued at US\$ 8100 million in 2025 and is forecast to a readjusted size of US\$ 16999 million by 2032 with a CAGR of 11.1% during review period.

In 2025, global sales of copper ion antibacterial yarn reached 96,000 tons, with an average selling price of US\$82,000 per ton. Copper ion antibacterial yarn achieves long-term inhibition of bacteria and fungi by introducing copper ions or copper-based antibacterial masterbatches into polyester, nylon, or recycled fibers. It also possesses washability, heat resistance, and safety, and is mainly used in medical textiles, functional clothing, home textiles, and public health products. Upstream raw materials include basic chemical fiber chips, copper salts or nano-copper antibacterial masterbatches, and spinning auxiliaries; midstream involves melt spinning or composite spinning; downstream suppliers are medical consumable manufacturers, functional clothing brands, and home textile companies. In 2025, the global total production capacity was approximately 112,000 tons, with a capacity utilization rate of approximately 86%, and an average industry gross profit margin of approximately 34%. Demand and business opportunity analysis shows that medical infection control, increased public health awareness, and functional consumption upgrades are driving continued demand growth. Future prospects lie in highly dispersed and stable copper ion systems, low-addition, highly efficient antibacterial products, and environmentally friendly products combined with recycled fibers, which will further enhance added value and market space.

This report is a detailed and comprehensive analysis for global Copper Ion Antibacterial Yarn market. Both quantitative and qualitative analyses are presented by

manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

### **Key Features:**

Global Copper Ion Antibacterial Yarn market size and forecasts, in consumption value (\$ Million), sales quantity (Kilotons), and average selling prices (US\$/Ton), 2021-2032

Global Copper Ion Antibacterial Yarn market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (Kilotons), and average selling prices (US\$/Ton), 2021-2032

Global Copper Ion Antibacterial Yarn market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (Kilotons), and average selling prices (US\$/Ton), 2021-2032

Global Copper Ion Antibacterial Yarn market shares of main players, shipments in revenue (\$ Million), sales quantity (Kilotons), and ASP (US\$/Ton), 2021-2026

### **The Primary Objectives in This Report Are:**

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for Copper Ion Antibacterial Yarn

To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

This report profiles key players in the global Copper Ion Antibacterial Yarn market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include MATEXCEL, JIAYI, Suzhou Junhui Textile Co.,Ltd., HangZhou YongXing Chemical Fire Co.,Ltd, Suzhou Hanyun New Material Technology Co., Ltd., Annie's Smartex Co., Ltd, LANGYI, OIKE & Co., Ltd.,

Zhejiang Haili Environmental Technology Co.,Ltd., etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

## **Market Segmentation**

Copper Ion Antibacterial Yarn market is split by Type and by Application. For the period 2021-2032, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

### Market segment by Type

Blended Spinning Type

Fiber Modified Grafting Type

Finishing Coating Type

### Market segment by Matrix Fiber Material

Polyester-based

Cotton/Regenerated Cellulose-based

Nylon-based

Others

### Market segment by Copper Ion Content

Copper Ion Content: 0.3% - 1.5%

Copper Ion Content: 1.5% - 3.0%

## Market segment by Application

Medical Textiles

Home Textiles

Functional Clothing

Others

## Major players covered

MATEXCEL

JIAYI

Suzhou Junhui Textile Co.,Ltd.

HangZhou YongXing Chemical Fire Co.,Ltd

Suzhou Hanyun New Material Technology Co., Ltd.

Annie's Smartex Co., Ltd

LANGYI

OIKE & Co., Ltd.

Zhejiang Haili Environmental Technology Co.,Ltd.

## Market segment by region, regional analysis covers

North America (United States, Canada, and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

**The content of the study subjects, includes a total of 15 chapters:**

Chapter 1, to describe Copper Ion Antibacterial Yarn product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Copper Ion Antibacterial Yarn, with price, sales quantity, revenue, and global market share of Copper Ion Antibacterial Yarn from 2021 to 2026.

Chapter 3, the Copper Ion Antibacterial Yarn competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Copper Ion Antibacterial Yarn breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2021 to 2032.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2021 to 2032.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value, and market share for key countries in the world, from 2021 to 2026. and Copper Ion Antibacterial Yarn market forecast, by regions, by Type, and by Application, with sales and revenue, from 2027 to 2032.

Chapter 12, market dynamics, drivers, restraints, trends, and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Copper Ion Antibacterial Yarn.

Chapter 14 and 15, to describe Copper Ion Antibacterial Yarn sales channel,

distributors, customers, research findings and conclusion.

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