

**Antimicrobial Textiles Market Report by Fabric (Polyester, Polyamide, Cotton, and Others), Active Agents (Metal and Metallic Salts, Synthetic Organic Compounds, Biobased Agents), Application (Medical Textiles, Home Textiles, Apparels, and Others), and Region 2024-2032**

Market Report | 2024-07-01 | 148 pages | IMARC Group

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**Report description:**

The global antimicrobial textiles market size reached US\$ 11.1 Billion in 2023. Looking forward, IMARC Group expects the market to reach US\$ 18.3 Billion by 2032, exhibiting a growth rate (CAGR) of 5.6% during 2024-2032.

Antimicrobial textiles are functionally active textiles that destroy microorganisms or inhibit their growth. They are made by treating textile substrates with antimicrobial agents or using textile fiber with inherent antimicrobial efficiency. They are durable, environment friendly, and less prone to discoloration. Besides this, their antimicrobial properties assist in improving the performance and increasing the lifespan of different products. As a result, antimicrobial textiles find extensive applications in automotive textiles, air filters, food packaging, and water purification systems.

**Antimicrobial Textiles Market Trends:**

At present, there is a significant increase in the manufacturing of metal nanoparticles-based antiviral textiles, including face masks, gloves, and protective suits and shoes, on account of the coronavirus disease (COVID-19) outbreak. This, in confluence with the rising awareness among individuals about personal hygiene and the health risks associated with microorganisms, represents one of the key factors driving the market. Antimicrobial textiles are increasingly employed in the healthcare industry for hospital gowns, patient clothes, curtains, bed covers, bandages, earbuds, scrubs, masks, lab coats, and protective kits. Besides this, they are used by sewage treatment plant workers and individuals involved in sanitary-related work wherein there is a high risk of getting infected. Additionally, antimicrobial textiles are utilized in common public areas, including hotels, restaurants, or trains. Apart from this, there is currently an increase in the demand for antimicrobial sportswear as they help prevent microbial

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growth and sweating odor. This, coupled with the growing popularity of antimicrobial winter wear, is augmenting the overall sales and profitability of market players. Furthermore, surface modification of these textiles, including electrospinning, nanotechnologies, plasma treatment, polymerization, microencapsulation, and sol-gel techniques to enhance their properties, is projected to fuel the market growth.

#### Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global antimicrobial textiles market report, along with forecasts at the global, regional and country level from 2024-2032. Our report has categorized the market based on fabric, active agents and application.

#### Breakup by Fabric:

- Polyester
- Polyamide
- Cotton
- Others

#### Breakup by Active Agents:

- Metal and Metallic Salts
- Synthetic Organic Compounds
- Biobased Agents

#### Breakup by Application:

- Medical Textiles
- Home Textiles
- Apparels
- Others

#### Breakup by Region:

- North America
  - United States
  - Canada
- Asia-Pacific
  - China
  - Japan
  - India
  - South Korea
  - Australia
  - Indonesia
  - Others
- Europe
  - Germany
  - France
  - United Kingdom

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Italy  
Spain  
Russia  
Others  
Latin America  
Brazil  
Mexico  
Others  
Middle East and Africa

#### Competitive Landscape:

The competitive landscape of the industry has also been examined along with the profiles of the key players being BioCote Limited, Herculite Products Inc., Kolon Industries Inc., Life Threads Global LLC, Microban International Ltd. (W.M. Barr & Company Inc.), Milliken & Company, PurThread Technologies Inc., Resil Chemicals Private Limited, Response Fabrics (India) Pvt. Ltd, Sanitized AG, Sono-Tek Corporation and Trevira GmbH (Indorama Ventures).

#### Key Questions Answered in This Report

1. What was the size of the global antimicrobial textiles market in 2023?
2. What is the expected growth rate of the global antimicrobial textiles market during 2024-2032?
3. What are the key factors driving the global antimicrobial textiles market?
4. What has been the impact of COVID-19 on the global antimicrobial textiles market?
5. What is the breakup of the global antimicrobial textiles market based on the fabric?
6. What is the breakup of the global antimicrobial textiles market based on the active agents?
7. What is the breakup of the global antimicrobial textiles market based on application?
8. What are the key regions in the global antimicrobial textiles market?
9. Who are the key players/companies in the global antimicrobial textiles market?

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