

Global Fire-Resistant Fabrics Market Size Study, by Type (Treated, Inherent), by Application (Apparel, Non-Apparel), by End-Use Industry (Industrial, Defense and Public Safety Services, Transport) and Regional Forecasts 2022-2032

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Abstracts

The Global Fire-Resistant Fabrics Market is valued at approximately USD 3.5 billion in 2023 and is projected to grow with a healthy CAGR of 6.6% over the forecast period 2024-2032. Fire-resistant fabrics, known for their ability to prevent flame propagation and provide enhanced safety, have become indispensable across multiple industries. These specialized fabrics, which can either be inherently flame-resistant or treated for fire resistance, are tailored to meet the rigorous demands of industrial workers, defense personnel, and various transport applications. The increasing emphasis on workplace safety regulations and the rising adoption of advanced materials in protective apparel drive the market's steady expansion.

With industrial safety protocols becoming increasingly stringent, the demand for fire-resistant fabrics in protective clothing has witnessed significant growth. Key drivers include the rise in industrial mishaps, heightened awareness of worker safety, and evolving governmental mandates across major economies. Moreover, the transport sector's adoption of fire-resistant upholstery and materials for enhanced passenger safety further accelerates the market growth. Innovations in fabric treatments and weaving techniques also enable better performance in harsh conditions, expanding the material's application scope. However, the high cost of manufacturing and raw materials may pose challenges to market penetration, particularly in price-sensitive regions.

Regionally, North America dominated the fire-resistant fabrics market in 2023 due to

strict safety regulations in industries and strong governmental support for workplace safety measures. Europe follows closely, driven by extensive adoption in automotive and aerospace applications, alongside well-established safety standards. The Asia Pacific region, on the other hand, is poised for rapid growth, fueled by expanding industrial activities, urbanization, and increasing awareness of safety protocols in emerging economies like India and China. Latin America and the Middle East & Africa regions also show significant potential, attributed to growing infrastructural developments and investments in defense sectors.

Major market players included in this report are:

DuPont de Nemours, Inc.

Milliken & Company

Teijin Limited

Lenzing AG

PBI Performance Products, Inc.

Kaneka Corporation

Glen Raven, Inc.

Solvay S.A.

Koninklijke Ten Cate B.V.

Huntsman Corporation

Westex by Milliken

Carhartt, Inc.

Bulwark Protection

Lakeland Industries, Inc.

W. L. Gore & Associates, Inc.

The detailed segments and sub-segment of the market are explained below:

By Type

Treated

Inherent

By Application

Apparel

Non-Apparel

By End-Use Industry

Industrial

Defense and Public Safety Services

Transport

By Region:

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

Rest of Europe

Asia Pacific

China

India

Japan

Australia

South Korea

Rest of Asia Pacific

Latin America

Brazil

Mexico

Rest of Latin America

Middle East & Africa

Saudi Arabia

South Africa

Rest of Middle East & Africa

Years considered for the study are as follows:

Historical Year – 2022

Base Year – 2023

Forecast Period – 2024 to 2032

Key Takeaways:

Market estimates and forecasts for 10 years from 2022 to 2032.

Annualized revenues and regional-level analysis for each market segment.

Detailed analysis of the geographical landscape with country-level insights for major regions.

Competitive landscape featuring information on major market players.

Analysis of key business strategies and actionable recommendations for future market approaches.

Examination of the competitive structure of the market.

Demand-side and supply-side analysis of the market.

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