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Global Electrically Conductive Textile Materials Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

https://marketpublishers.com/r/G08B2F4677CCEN.html
Date: April 2026
Pages: 141
Price: US$ 3,480.00 (Single User License)
ID: G08B2F4677CCEN

Abstracts

According to our (Global Info Research) latest study, the global Electrically Conductive Textile Materials market size was valued at US$ 483 million in 2025 and is forecast to a readjusted size of US$ 674 million by 2032 with a CAGR of 4.9% during review period.

Electrically Conductive Textile Materials refer to fabrics or textile products engineered to conduct electricity, either by incorporating conductive fibers, yarns, or coatings into the textile structure. These materials combine the flexibility, breathability, and comfort of traditional textiles with electrical conductivity for applications in wearable electronics, smart clothing, sensors, electromagnetic interference (EMI) shielding, antistatic garments, and heating elements. Conductivity is typically achieved through the integration of conductive metals (such as silver, copper, or stainless steel), carbon-based fibers (carbon black, carbon nanotubes, graphene), or conductive polymer coatings. Electrically conductive textiles can be woven, knitted, nonwoven, or laminated, depending on performance requirements. Key performance characteristics include surface resistivity, durability under mechanical deformation and washing, flexibility, tensile strength, and uniformity of conductivity throughout the material.

This report is a detailed and comprehensive analysis for global Electrically Conductive Textile Materials 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.

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Key Features:

Global Electrically Conductive Textile Materials market size and forecasts, in consumption value ($ Million), sales quantity (K Sqm), and average selling prices (US$/Sq m), 2021-2032

Global Electrically Conductive Textile Materials market size and forecasts by region and country, in consumption value ($ Million), sales quantity (K Sqm), and average selling prices (US$/Sq m), 2021-2032

Global Electrically Conductive Textile Materials market size and forecasts, by Type and by Application, in consumption value ($ Million), sales quantity (K Sqm), and average selling prices (US$/Sq m), 2021-2032

Global Electrically Conductive Textile Materials market shares of main players, shipments in revenue ($ Million), sales quantity (K Sqm), and ASP (US$/Sq m), 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 Electrically Conductive Textile Materials
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 Electrically Conductive Textile Materials 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 Bekaert, Laird, Seiren, 3M, Toray, Emei group, Metaline, 31HK, Shieldex, KGS, etc.

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

Market Segmentation

Electrically Conductive Textile Materials 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

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value. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

- Copper-based Yarns Textiles
- Silver Plated Yarns Textiles
- Steel Filaments Textiles
- Carbon-based Yarns Textiles
- Others

Market segment by Grade

- Fiber Level
- Fabric Level
- Others

Market segment by Application

- Industrial & Commercial & Military
- Medical & Healthcare
- Electronic Industry
- Others

Major players covered

- Bekaert

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Laird

Seiren

3M

Toray

Emei group

Metaline

31HK

Shieldex

KGS

Holland Shielding Systems

Metal Textiles

Parker Hannifin

Swift Textile Metalizing

HFC

ECT

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

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& Africa)

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

Chapter 1, to describe Electrically Conductive Textile Materials product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Electrically Conductive Textile Materials, with price, sales quantity, revenue, and global market share of Electrically Conductive Textile Materials from 2021 to 2026.

Chapter 3, the Electrically Conductive Textile Materials competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Electrically Conductive Textile Materials 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 Electrically Conductive Textile Materials 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 Electrically Conductive Textile Materials.

Chapter 14 and 15, to describe Electrically Conductive Textile Materials sales channel, distributors, customers, research findings and conclusion.

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