

Global Graphene-based EMI Shielding Coating 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 Graphene-based EMI Shielding Coating market size was valued at US\$ 48.10 million in 2025 and is forecast to a readjusted size of US\$ 150 million by 2032 with a CAGR of 17.6% during review period.

In 2025, global sales volume of Graphene-based EMI Shielding Coating was approximately 550 tons, with an average global market price of about USD 85/kg. Gross margins of major industry producers were generally in the range of 35%-55%.

Graphene-based EMI Shielding Coating is a functional shielding coating formulated with graphene or graphene-based conductive composite fillers as the core functional component, dispersed in a system of resin, solvent and additives. The product can form a continuous conductive network on substrate surfaces through spraying, brushing or roller coating, enabling the reflection, absorption and dissipation of electromagnetic interference. Compared with traditional metal shielding materials, Graphene-based EMI Shielding Coating offers advantages such as lightweight structure, thin coating thickness, good flexibility, compatibility with complex geometries, strong application adaptability and good corrosion resistance, while also supporting conductivity, heat dissipation, protection and structural weight reduction.

Its upstream mainly includes graphene powder or dispersion, conductive fillers, acrylic resin, polyurethane resin, epoxy resin, solvents, dispersants and functional additives. The midstream involves graphene dispersion, resin compounding, conductive network construction, rheology control and coating curing to produce products with different levels of shielding effectiveness. End-use applications mainly include electronic

equipment, communication infrastructure, transportation, aerospace and the defense industry.

This report is a detailed and comprehensive analysis for global Graphene-based EMI Shielding Coating 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 Graphene-based EMI Shielding Coating market size and forecasts, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/kg), 2021-2032

Global Graphene-based EMI Shielding Coating market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/kg), 2021-2032

Global Graphene-based EMI Shielding Coating market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/kg), 2021-2032

Global Graphene-based EMI Shielding Coating market shares of main players, shipments in revenue (\$ Million), sales quantity (Tons), and ASP (US\$/kg), 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 Graphene-based EMI Shielding Coating

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 Graphene-based EMI Shielding Coating 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 Graphenest, Nanotech Energy, Vorbeck, TBA Protective Solutions, Jiangsu Ambassador Tongfeng Coatings, Datong Moxi Technology, Shenzhen Andun Marine New Materials, etc.

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

Market Segmentation

Graphene-based EMI Shielding Coating 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

Acrylic Type

Polyurethane Type

Epoxy Type

High-Temperature Resistant Resin Type

Market segment by Shielding Effectiveness

Low Shielding Type

Medium Shielding Type

High Shielding Type

Market segment by Application

Electronic Equipment

Communication Infrastructure

Transportation

Aerospace

Defense Industry

Other

Major players covered

Graphenest

Nanotech Energy

Vorbeck

TBA Protective Solutions

Jiangsu Ambassador Tongfeng Coatings

Datong Moxi Technology

Shenzhen Andun Marine New Materials

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 Graphene-based EMI Shielding Coating product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Graphene-based EMI Shielding Coating, with price, sales quantity, revenue, and global market share of Graphene-based EMI Shielding Coating from 2021 to 2026.

Chapter 3, the Graphene-based EMI Shielding Coating competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Graphene-based EMI Shielding Coating 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 Graphene-based EMI Shielding Coating 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 Graphene-based EMI Shielding Coating.

Chapter 14 and 15, to describe Graphene-based EMI Shielding Coating sales channel, distributors, customers, research findings and conclusion.

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