

EMI Shielding Material Market Size, Share & Trends Analysis Report By Product (Conductive Coatings & Paints), By End-use (Consumer Electronics, Telecommunications & Information Technology), By Region And Segment Forecasts, 2025 - 2030

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Abstracts

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EMI Shielding Material Market Growth & Trends

The global EMI shielding material market is anticipated to reach USD 11.4 billion by 2030 and is anticipated to grow at a CAGR of 5.4% during the forecast period, according to a new report by Grand View Research, Inc. The global EMI shielding material industry is primarily driven by the increasing demand for electronic devices and components across various industries. As the number of consumer electronics, automotive systems, telecommunications devices, and medical equipment rises, the need for efficient EMI shielding solutions to ensure the proper functioning of these electronic systems grows. Electromagnetic interference can disrupt electronic devices, causing malfunctions or signal degradation, thus emphasizing the importance of protective materials to maintain device reliability. This growing reliance on electronics is a significant factor fueling the demand for EMI shielding materials globally.

Another key driver of the market is the rapid advancement of wireless communication technologies. With the rise of 5G networks, IoT devices, and other wireless technologies, the complexity and intensity of electromagnetic interference have also increased. This has led to the need for advanced shielding solutions that can prevent interference, ensuring stable and high-quality performance in wireless communication systems. As these technologies continue to expand, the demand for EMI shielding

materials to support their functionality and prevent cross-device interference is expected to keep growing.

The regulatory requirements surrounding electronic safety and electromagnetic compatibility (EMC) have also significantly contributed to the growth of the EMI shielding material industry. Governments and regulatory bodies across the globe have set stringent guidelines for electromagnetic interference to safeguard both consumer and industrial electronics from potential disruptions. These regulations mandate that manufacturers incorporate effective EMI shielding solutions in their products to ensure compliance with EMC standards. As a result, industries such as automotive, aerospace, and telecommunications are increasingly investing in high-quality shielding materials to meet these regulatory requirements.

The growing demand for EMI shielding materials in the automotive and industrial sectors is further driving market growth. With the increasing integration of electronic systems in vehicles, such as advanced driver assistance systems (ADAS), infotainment systems, and electric vehicle components, the automotive industry has become a significant consumer of EMI shielding solutions. Similarly, in industrial applications, the need to protect sensitive equipment and systems from electromagnetic interference is vital to maintain operational efficiency. As the automotive and industrial sectors continue to evolve with more advanced technologies, the demand for specialized EMI shielding materials is expected to rise.

EMI Shielding Material Market Report Highlights

The conductive coatings & paints segment led the market and accounted for the largest revenue share of 32.7% in 2024, driven by the increasing demand for effective electromagnetic interference (EMI) shielding solutions across various industries.

The consumer electronics segment dominated the market and accounted for the largest revenue share of 31.5% in 2024, as the increasing adoption of smart devices, wearables, and advanced computing systems necessitates effective electromagnetic interference (EMI) protection. The rapid expansion of the Internet of Things (IoT) and 5G-enabled devices has led to a significant rise in electronic components operating at higher frequencies, making them more susceptible to EMI-related performance issues.

Asia Pacific dominated the market and accounted for the largest revenue share of 41.4% in 2024, driven by the rapid expansion of the region's electronics and telecommunications industries.

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