EMI/RFI: Materials and Technologies

Description: The global market for EMI/RFI shielding has grown to nearly $6 billion in 2016 from $5.6 billion in 2015. The market is expected to grow at a five-year compound annual growth rate (CAGR) of 5.6% from 2016 to 2021, increasing to more than $7.8 billion in 2021.

This report provides:

- An overview of the global market for products which deal with EMI and RFI problems that are encountered in the operation of electronic equipment, and implications for those plastics and competitive materials and technologies used to suppress that interference.


- Examinations of issues surrounding the ever-increasing frequencies being encountered along with the proliferation of wireless devices that may result in the shifting of shielding options; in addition, the impact of other technologies, such as Bluetooth, absorptive EMI, fiber optics, and others will be assessed.

- Analysis of trends in components and devices used in electronics and other industries, such as medical, automotive, and consumer products.

- Identification of the current state of the electronics and other industries, the market for plastics-based shielding options, key participants, shielding technologies, patents, materials, shielding components, and a “time line” of global developments.

- Profiles of major players in the industry.

The size and the growth of the global market for EMI/RFI shielding products is a function of several factors. Shielding closely follows the demand for electronic devices and components. It is also is a valuable resource to assist manufacturers in complying with ever-changing safety and performance regulations and standards. This study summarizes the somewhat muddled global regulatory environment.

This report identifies the nature of the EMI/RFI problem, noting the ways that the redesigning of shielding and electronics can overcome these problems. Technologies and materials specific to EMI/RFI shielding are also identified and analyzed for their impact on plastics and other materials within a context of trends in components and devices used in the electronics medical, automotive and consumer products industries.

This report also discusses the current state of the electronics and other related industries, the market for plastics-based shielding options, key participants, shielding technologies, patents, materials, shielding components, global developments, and examples of global regulatory standards and environmental issues confronting the electronic shielding business.

Compound annual growth rates (CAGRs) are provided for the period 2016 through 2021 in millions of dollars and millions of square feet. An analysis based on volume is not feasible because of the many disparate shielding products.

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