

Markets for ESD and Antistatic Protection Materials in Electronics

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Abstracts

Summary

NanoMarkets sees important new opportunities emerging in 2012-2013 for suppliers of ESD and antistatic protection materials. Factors that are influencing the markets for ESD protection materials include:

A shift is just beginning to occur in the display market that pits the currently-dominant LCD technology against newer technologies like OLEDs, which may have very different needs for ESD protection;

There continues to be growing demand for ESD products that is driven by the onward march of Moore's Law, which makes errant charges ever-more harmful in electronics manufacturing and assembly as feature sizes decrease; and

The trend toward pervasive electronics is expected to increase the size of the addressable market for ESD products.

NanoMarkets believes that these trends will have positive implications for the ESD materials business over the next several years, in electronics manufacturing, assembly, and packaging.

Fortunately, these emerging patterns of demand for ESD products are occurring at a time when there are also new developments in materials, many of are related to the rise of nanomaterials. NanoMarkets is predicting, for example, that nanometals, graphene and carbon nanotubes will begin to account for a sizeable part of the ESD materials market in the not-too-distant future. It also believes that inherently conductive polymers

will continue to make inroads into the larger ESD market, displacing currently used inexpensive – and often impermanent – materials.

In this dynamic environment, it is essential for manufacturers of ESD protection materials to identify both the “where” and “how much” for the available opportunities. NanoMarkets has been providing analytical coverage of materials used in the electronics markets for many years, and has developed an insider’s knowledge of the ESD markets and the factors that shape it. As with all NanoMarkets reports, this report includes a detailed eight-year forecast of ESD materials markets by application and material, and it also contains a discussion of some of the key suppliers and their product/market strategies.

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ACRONYMS AND ABBREVIATIONS USED IN THIS REPORT

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