Global Markets and Technologies for Nanofibers

Description: The global market for nanofiber product reached $203.2 million and $276.8 million in 2013 and 2014, respectively. This market is projected to grow from $383.7 million in 2015 to nearly $2.0 billion in 2020, representing a compound annual growth rate (CAGR) of 38.6% between 2015 and 2020.

This report provides:

- An overview of the global markets and technologies relating to nanofibers.
- Examination of the commercial and public research activities in major regions of the world.
- A historical review of nanofibers, including an outline of recent events.
- Coverage of the industry structure, including a list of suppliers of nanofibers and descriptions of their products.
- Company profiles of the top industry players and relative market shares for leading companies.

Scope of the Report:

This report provides an updated review of nanofiber technology, including materials and production processes, and identifies current and emerging applications for this technology.

The report delineates the current market status for nanofiber-based products, defines trends and presents growth forecasts for the next five years. The nanofiber market is analyzed based on material, application and region. In addition, technological issues, including key events and the latest process developments, are discussed. Market values are generally provided in U.S. dollars and unadjusted for inflation. Market values are measured at the manufacturer level. More specifically, the market analysis conducted for this report is divided into five sections.

In the first section, an introduction to the topic and a historical review of nanofibers are provided, including an outline of recent events. In this section, current and emerging nanofiber applications are also identified and grouped into segments:

- Consumer, Defense and Security
- Electronics
- Energy
- Life Science
- Mechanical/Chemical/Environmental
- Sensors and Instrumentation
- Thermal and Acoustic Insulation
- Transportation
- Others

The second section provides a technological review of nanofibers. It offers a revised and detailed description of traditional and emerging nanofiber materials, typical fabrication methods and recent process upgrades and nanofiber applications by material type. This section concludes with an analysis of the most important technological developments since 2013, including examples of significant patents recently issued or applied for. It also highlights the most active research organizations operating in this field.

The third section entails a global market analysis of nanofiber products. Global nanofiber revenues (i.e., sales data in millions of dollars) are presented for each segment (i.e., material, application, region) with actual data referring to the years 2013 through 2015.

The analysis of current nanofiber revenues is followed by a detailed presentation of market growth trends based on industry growth, technological trends and regional trends. The third section concludes by providing projected revenues for nanofiber-based products within each segment, combined with forecast compound annual growth rates (CAGRs) for the period 2015 through 2020.
The fourth section of the study, which covers global industry structure, offers a list of nanofiber suppliers and descriptions of their products. The analysis includes a description of the geographical distribution of these firms and an evaluation of other key industry players. Detailed company profiles of the top players are also provided.

The fifth and final section includes an analysis of recent U.S. patents, with a summary of patents related to nanofiber materials, fabrication methods and applications. Patent analysis is performed by region, country, assignee, patent category, application and material type.

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