Global Hollow Glass Microspheres Market Research Report By End-User Industry and By Geography - Global Trends and Forecast to 2021

Description:

“Global Hollow Glass Microspheres Market Research Report. By End-User Industry (Aerospace & Defense, Automotive, Healthcare, Oil & Gas and Others) and By Geography (North America, Europe, Asia-Pacific, Middle East & Africa and Latin America) – Global Trends and Forecast to 2021”

Hollow glass microspheres have evolved as a lightweight filler to be used in several industries such as aerospace, automotive, oil & gas, healthcare, and others. They are suitable to be used in various applications such as thermoplastics, rubber & elastomers, abrasive materials, sheet molding compounds, cryogenic technology, thermosets-epoxy, acoustic and thermal insulating materials, polyurethanes, plastisols, repair compounds, and so on. Hollow glass microspheres cover a wide range of applications as they are used as a flow aid, for thermal insulation; and for concrete, synthetic wood, and gas storage & transport. Hollow glass microspheres show 3% loss in the tensile strength, 26% loss in surface hardness, and 13% weight reduction, when filled in composites.

The hollow glass microspheres market developed as a few manufacturers in North America and Europe focused on development of niche market for hollow glass microspheres for complex applications such as coating of magnetic nanoparticles of cobalt ferrite (CoFe2O4) on hollow glass microspheres that lead to microwave absorption and enhanced properties. Currently, very less number of substitutes are available in the market, as the properties of hollow glass microspheres are unique in nature.

There are no common standard specifications about the types as companies develop their own grades by different names. Continuous improvement in product quality and increasing concerns over transportation and installation of products from end-user industries such as aerospace, automotive, oil & gas, healthcare, consumer goods, and construction are expected to be the major contributing factors towards the growth of hollow glass microspheres during the forecast period. In addition, the growing environmental concerns are also expected to fuel the growth of the market for hollow glass microspheres in coming years as they are recyclable and reusable. The key concern in hollow glass microspheres market comes from the fluctuations in manufacturing costs due to volatile raw-material prices, huge R&D expenditure which is not required for the current potential of the market, and low quality control on production.

The global Hollow glass microspheres market was valued at USD 226.8 million in 2015, and is projected to reach USD 352.8 million by 2021, at a CAGR of 7.5% from 2016 to 2021. The aerospace & defense end-user industry contributed 34.4% share to the market in 2015, and its market size is expected to reach USD 129.3 million by 2021, at a CAGR of 8.7% during the forecast period.

The market of hollow glass microspheres is fragmented with few large players and a large number of small players. The players involved in the hollow glass microspheres market are hollow glass microspheres manufacturers, manufacturers, and companies engaged in the manufacturing of both fabrics and clothing. Leading manufactures include 3M Company (U.S.), Trelleborg AB (Sweden), Potters Industries LLC (U.S.), Mo-Sci Corporation (U.S.), Sinosteel Maanshan New Material technology Co., Ltd. (China), Cospheric LLC (U.S.), Dennert Poraver GmbH (Germany), Polysciences, Inc. (U.S.), CenoStar Corporation (U.S.), and others.

Objectives Of The Study

- To define and segment the hollow glass microspheres market by end-user industry and by region
- To identify the market dynamics for the hollow glass microspheres market
- To identify and forecast the market size, by value for various market segments based on the key end-user industries and regions covered in the study
- To analyze the recent developments, such as facility & capacity expansions, partnerships & collaborations, and new product developments in the hollow glass microspheres market
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