Composites in Automotive Applications

Description: This report provides:

- An overview of the global markets for composites in automotive applications.
- Analyses of U.S. as well as international market trends, with data from 2014, 2015, and projections of CAGRs through 2020.
- Coverage of reinforced plastics using mostly carbon fibers for strength with a wide array of resins.
- A look at exterior steel structures such as body panels, roofs, exterior doors, wheels, fenders and other exterior parts.
- Analyses of the interest in replacing steel with composite resins; the need to reduce the weight of autos to meet the 2025 strict government standard of about 55 miles per gallon.
- Thermoplastics to be used including ABS, nylon, polycetals, polypropylene, PVC, polycarbonates, and polycrylates among others, as well as polyurethanes which are also expected to be used.
- Evaluation of the market’s dynamics, specifically growth drivers, restraints, and opportunities.
- Profiles of major players in the industry.

Highlights

- The global market for composites in automotive applications is forecast to increase from 8.1 million pounds in 2014 to 9.1 million pounds in 2015. This market is estimated to reach 13.2 million pounds in 2020 increasing at a compound annual growth rate (CAGR) of 7.7% during the next five years, from 2015-2020.
- Composites in exterior applications is the largest segment, projected to grow from nearly 6.0 million pounds in 2015 to 8.3 million pounds billion in 2020 at a CAGR of 6.8% from 2015-2020.
- Composites used under-the-hood as a segment is projected to grow from 2.9 million pounds in 2015 to 4.6 million pounds in 2020 at a CAGR of 9.5% from 2015-2020.

Scope Of The Study

The focus of the study is to attempt to quantify consumption and projected growth of the major types of carbon-reinforced plastic composites being used and to delve into the reasons for use of specific types for a wide array of automotive parts.

Intended Audience

It seems clear that those companies in the carbon-fiber-composite plastics business would be interested in this new and rapidly growing market along with the entire automotive market.

In addition, companies that supply the automotive market with a wide array of products will need to understand the probable implications of the probable decline in the use of steel in future automobiles.

Finally, all of the major global automobile producers need to be kept updated with the wide array of new technologies and products being used along with the introduction of lightweight cars via expanding usage of metals such as aluminum and plastic composites.

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