Titanium Dioxide (TiO2) - A Global Market Overview

Description: Stringent automobile emission control norms worldwide and concerns regarding fuel efficiency have compelled manufacturers to take measures for reducing vehicle weight considerably, thereby propelling demand for lightweight vehicles. One method of reducing vehicle weight is incorporating polycarbonates as replacement for part of the steel structures used in auto manufacturing.

However, polycarbonates suffer from some drawbacks, such as low scratch resistance, which brings titanium dioxide into play. This material is used for coating polycarbonate structures that are further utilized in the auto manufacturing process.

Using polycarbonates enables in reducing the weight of a vehicle and consequently enhancing fuel efficiency. Other applications of titanium dioxide in plastics include improving color, strength and opacity.

An expansion being witnessed in the construction industry constitutes a major factor that is bolstering demand for titanium dioxide. The use of this material in paints and coatings, its largest application area, is being supported by a simultaneous surge in construction activity, which has been more evident in the developing economies of Asia-Pacific and South America.

China leads the global demand for titanium dioxide in the construction sector, with other regions, such as India, Southeast Asia, Brazil and Mexico not far behind.

On a negative note, strict environmental regulations constitute a detrimental factor that restrains demand for titanium dioxide. The process of producing this material causes a number of harmful solid and acid wastes to be produced and several regulations are now in place, more so in developed regions, for controlling the emission and disposal of these wastes.

Among the two processes used for manufacturing titanium dioxide, the sulfate process, predominantly used in China, leads to large amounts of solid waste being produced. This has led Chinese manufacturers to change tack and implement a slew of alternatives aimed at lowering the pollution caused by production of titanium dioxide.

Worldwide market for Titanium Dioxide applications analyzed in this study include Architectural Paints & Coatings, Industrial Paints & Coatings, Paper, Plastics and Other Applications.

The global markets for the above mentioned applications are analyzed in terms of both in metric tons and USD. Global volume consumption of Titanium Dioxide is projected to reach 7.8 million metric tons by 2022 from a forecast 6.1 million metric tons in 2016 at a CAGR of 4.1% between 2016 and 2022.

This report reviews, analyses and projects the Titanium Dioxide market for the period 2012-2022 globally and the regional markets including North America, Europe, Asia-Pacific, South America and Rest of World.

The regional markets further analyzed for 14 independent countries across North America - The United States, Canada and Mexico; Europe - France, Germany, Italy, Spain and the United Kingdom; Asia-Pacific - China, India, Japan and South Korea; South America - Argentina and Brazil.

This 322 page global market research report includes 242 charts (includes a data table and graphical representation for each chart), supported with meaningful and easy to understand graphical presentation, of market numbers.

This report profiles 10 key global players and 30 major players across North America - 6; Europe - 3; Asia-Pacific - 20; and Rest of World - 1. The research also provides the listing of the companies engaged in manufacturing and supply of titanium dioxide. The global list of companies covers the address, contact numbers and the website addresses of 100 companies.
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- Huntsman International LLC (United States)
- Jiangsu Taibai Group Co., Ltd. (China)
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- Guangdong Huiyun Titanium Industry Corporation Limited (China)
- Guangxi Jinmao Titanium Co., Ltd. (China)
- Henan Billions Chemicals Co., Ltd. (China)
- Sichuan Lomon Titanium Industry Co., Ltd. (China)
- Jiangsu Taibai Group Co., Ltd. (China)
- Jiangxi Tikon Titanium Co., Ltd. (China)
- Kilburn Chemicals Limited (India)
- Nanjing Titanium Dioxide Chemical Co., Ltd. (China)
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- Pangang Group Vanadium Titanium & Resources Co., Ltd. (China)
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