

The World Market for Nanoparticle Titanium Dioxide

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Abstracts

The manufacture of Titanium Dioxide (TiO₂) nanoparticles is a significant niche industry and demand for these materials is strong. 50, 400 tons of nanoparticle TiO₂ was produced in 2010, representing 0.7% of the overall TiO₂ market. By 2015, production is projected to increase to 201,500 tons.

Main end user markets are paints and pigments, plastics, paper, cosmetics, sunscreens, skin care, catalysts, ceramics, printing inks and glass. Some market estimates place nanoparticle titanium dioxide production to be around 2million tons per year. However, this is not an accurate reflection and the current estimate is much lower. The market will only start approaching half of this production capacity post 2015, driven by increased demand in the Asian and developing countries markets. The Chinese market is growing rapidly and photocatalytic TiO₂ nanoparticles for self-cleaning and deodorizing effect are in strong demand in the rest of Asia. There is strong government support for nanotechnology in these regions and a large number of multi-nationals and innovative companies developing products and processes based on nanoparticles .

Report contents include:

Bulk TiO₂ production, in tons, 2008-2015

Bulk TiO₂ production by region, in tons, 2010-2015

Nanoparticle TiO₂ production, in tons, 2008-2015

Nanoparticle TiO₂ revenues, 2008-2015, US\$

Nanoparticle TiO₂ production by end user market, percentage, 2010-2015

Nanoparticle TiO₂ production by end user market, revenues, 2010-2015

Nanoparticle titanium dioxide market applications

Applications roadmaps by markets

Market structure

Market drivers

Markets covered include:

Paints, coating and printing inks

Plastics

Paper

Cleaning and sanitary

Ceramics

Clothing

Construction and exterior protection on buildings and structures

Energy

Environmental protection and remediation

Cosmetics and sunscreens

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