

# Nanocomposites Market is Expected to Reach USD 5.91 Billion by 2018: Transparency Market Research

*Transparency Market Research Report Add "Nanocomposites Market - Global Industry Analysis, Size, Share, Growth, Trends and Forecast- 2018 " to its database.*

ALBANY ,NY ,UNITED STATES, July 18, 2013 /EINPresswire.com/ -- Market Research Reports : Transparency Market Research published new market report "Nanocomposites (Carbon Nanotubes, Polymer Metal Fiber, Nanofibers, Graphene, Nanoplatelet and Others) Market for Automotive, Aviation, Electronics, Energy, Construction, Healthcare, Plastics, Military, Consumer Goods and Other Applications - Global Industry Analysis, Size, Share, Growth, Trends and Forecast, 2012 - 2018". According to the report, the demand for nanocomposites that was over USD 1.91 billion in 2011 is expected to increase to USD 5.91 billion by 2018, growing at a CAGR of 18.0% from 2012 to 2018.

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In terms of volume, the global market for nanocomposites is expected to grow at a CAGR of 17.5% between 2012 and 2018. Vehicle safety & need for light-weight materials to improve vehicular performance have been the most important factors driving the market in the past few years. An increased consumption of nanocomposites in building & construction and their importance in the field of electronics and semiconductors have been other factors driving the market of late. At the same time, higher costs incurred in manufacturing certain components for high-performance applications could hinder the market in certain end-user industries.

Nanocomposites are made up of filler materials and surrounding matrix. The most commonly used filler materials are nanoclay (such as Laponite and Montmorillonite) that has a huge demand worldwide. Nanoclay accounted for over 41% of the global market share by product segment in 2011. This product segment is expected to show a CAGR of 17.4% between 2012 and 2018. Glass fibers and metal fibers are also in huge demand and are expected to be major markets in the coming years. Other nanofibers, platelets, carbon nanotubes and graphene are also expected to show healthy growth over the forecast period.

Medical & healthcare, plastics & packaging, military & defense, consumer goods, environment & water are some of the major end user industry segments where nanocomposites are used for a

variety of applications. The automotive segment uses nanocomposites in the form of windshields, door paneling, headlight covers, etc.

Nanocomposites are also majorly used in the aviation industry during the construction of aircraft and for replacement parts. Nanocomposites are used as bases for circuits, as conducting surfaces and other such high-end applications in electronics and semiconductors. In the energy segment, nanocomposites find numerous applications such as in blades of windmills, turbines and others. Building & construction was the largest market for nanocomposites in 2011 and accounted for over 15% of the total market share. It is expected to grow at a CAGR of 16.9% between 2012 and 2018.

North America was the largest market for nanocomposites in 2011, accounting for approximately 40% of global demand. Building and construction, electronics & semiconductors and aviation were the major markets driving sales for nanocomposites in North America, making it the largest market by volumes. Europe accounted for a large portion of nanocomposite sales. Asia Pacific and RoW are expected to be strong future markets for nanocomposites with growing industrialization and infrastructure. Asia Pacific is expected to show the highest growth in demand and the market for nanocomposites is forecast to grow at a CAGR of 18.8% between 2012 and 2018.

#### Nanocomposites Market: Product Segment Analysis

- Carbon nanotube nanocomposites
- Polymer metal fiber composites
- Nanofiber nanocomposites
- Graphene nanocomposites
- Nanoplatelet (nanoclay and expanded graphite) nanocomposites
- Other nanocomposites product segment (other fullerene fillers, recycled paper, wood, recycled fibers, etc.)

#### Nanocomposites Market: End-user Analysis

- Automotives
- Aviation
- Electronics and semiconductors
- Energy
- Building & construction
- Medical and healthcare
- Elastics and packaging
- Military and defense
- Consumer goods
- Environment and water
- Others (other packaging, decorative household items, recycled boards, etc.)

#### Nanocomposites Market: Regional Analysis

- North America
- Europe
- Asia Pacific
- Rest of the World (RoW)

Blogs :

<http://rahul28febblog.wordpress.com/>

<http://chemicalsnmaterialmarket.wordpress.com/>

<http://rahul28feb.blogspot.co.uk/>

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