

Nanocomposites Market Report and Forecast 2025-2034

Market Report | 2025-08-13 | 168 pages | EMR Inc.

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Report description:

The global nanocomposites market reached a value of around USD 7.22 Billion in 2024. The nanocomposites market is expected to grow at a CAGR of 16.20% during the forecast period of 2025-2034, reaching a value of USD 32.40 Billion by 2034.

The global nanocomposites market is being driven by its high demand from automotive, packaging, aerospace and defence, and electronics and semiconductor sectors.

Global Nanocomposites Market Segmentation

Nanocomposite refers to a multiphase solid material with dimensions in nanometre range, which is used as a building block to design and create new substances with improved flexibility and enhanced physical properties. The global nanocomposites market can be broadly categorised on the basis of segments like material types, applications, and regions.

Market Breakup by Material Type

- Carbon Nanotubes
- Metal Oxides
- Nanoclay
- Nanofibre
- Graphene
- Others

Market Breakup by Application

- Packaging
- Automotive

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- Electronics & Semiconductors
- Coatings
- Aerospace & Defence
- Energy
- Others

Market Breakup by Region

- North America
- Europe
- Asia Pacific
- Latin America
- Middle East and Africa

Global Nanocomposites Market Analysis

The increasing application of lightweight aluminium composite panels for insulation in construction industry is projected to drive the global nanocomposites market over the forecast period. Due to low permeability to gases, water, and hydrocarbons, nanocomposites are increasingly being used in the food packaging industry, specifically in the packaging of cheese, confectionery, processed meat, boil-in-the-bag food, and cereals, among others. In addition, nanocomposite polymers used in packaging help to reduce production waste and allow recycling, which is expected to propel the nanocomposites market growth.

Global Nanocomposites Market: Competitive Landscape

The report presents a detailed analysis of the following key players in the global nanocomposites market, looking into their capacity, competitive landscape, and latest developments like capacity expansions, plant turnarounds, and mergers and acquisitions:

- Mineral Technologies Inc.
- DuPont de Nemours, Inc
- Zyvex Technologies Inc.
- Arkema Inc.
- Powdermet Inc.
- RTP Company
- Others

The EMR report gives an in-depth insight into the nanocomposites market by providing a SWOT analysis as well as an analysis of Porter's Five Forces model.

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