

# **Nanofillers Market- Global Industry Size, Share, Trends, Opportunity, and Forecast, 2018-2028 Segmented By Type (Organic, Inorganic), By Physical Form (Continuous, Discontinuous), By Application (Construction, Paints & Coatings, Plastics, Adhesives & Sealants, Concrete, Films & Rubber, Others), By Region and Competition**

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## **Abstracts**

The global nanofillers market is estimated to grow at an impressive rate through 2028. Nanofillers are fillers with particle volumes varying from 1 to 100 nm, and the outcome of nanotechnology is used in the fillers industry. Carbon blacks, alumina, titanium dioxide, bentonite clay, graphene, ceramic, gold, silica, synthetic silicas, and precipitated calcium carbonate are examples of such types of fillers. However, their primary particles are clustered with secondary particles to produce large and more durable particles as compared to conventional fillers.

Growing demand for nanotechnology-enabled goods in different end-user industries, such as construction for refining flame retardancy, electrical conduction, and mechanical properties of homes. Apart from these, the completion of CNFs as barrier agents in packaging films would present a significant leap forward in creating a more sustainable environment. In addition, government policies on eco-friendly products and infrastructure projects propel market growth. Growing investment in research & development activities for developing new applications drives the global nanofillers market growth in the projected period.

Worldwide Rise in Infrastructural Projects

The growing global population has created the demand for well developed and managed infrastructure. This increased the number of infrastructure projects in the different regions to fulfill the demand. According to Statista, as of May 2022, India had the highest infrastructural project under development with count of 1,944 followed by United States with 1,866 projects and China with 1,175 projects. Nanofiller can assist in lowering the usage of natural resources by strengthening the functioning of building materials and lowering energy consumption. Nanofiller-strengthened cement can be used to build high-strength concrete construction structures with increased endurance and reduce the need for maintenance or early maintenance & changes.

### Flourishing Paints & Coatings Industry

The growing demand for paints & coatings from various end user industries such as automotive, architectural, construction, and the decorative segment is expected to drive the growth of global nanofillers market. Nanofillers are broadly used to develop polyurethane which forms an essential component of paints & coatings. Additionally, nanofillers are used to develop nanocomposite coatings that are extensively used in the context of nano-structuring. This in turn is expected to support the growth of global nanofillers market during the forecast period.

### Ongoing Research & Developments for New Applications

In the tires market, Sepiolite is deployed as a Reinforcing Filler to enhance the properties of conventional tire fillers. Sepiolite, a natural derivative of non-toxic and chemically dynamic 1-D phyllosilicate, has the capability of modifying the concept of elastomeric nano-reinforcement with the ability to instruct physical flexibility to the rubber compound. Such innovation is creating opportunities for nanofiller applications and propelling market growth.

### Market Segmentation

The global nanofillers market is segmented based on type, physical form, and application.

Based on type, the market is bifurcated into organic and inorganic. Based on physical form, the market is divided into continuous, and discontinuous. Based on application, the market is divided into construction, paints & coatings, plastics, adhesives & sealants, concrete, films & rubber, others.

## Market Players

J.M. Huber Corporation, DuPont de Nemours, Inc., 3M Company, Reade International Corp., Eka Chemicals AB, Galaxy Corporation, Intelligent Materials Private Limited, Shanghai Yaohua Nanotech Co. Ltd, Henkel AG & Co. KGaA, and Fuso Chemical Co. Ltd. are some of the major players operating in global nanofillers market.

## Report Scope:

In this report, global Nanofillers market has been segmented into following categories, in addition to the industry trends which have also been detailed below:

### Global Nanofillers Market, By Type:

Organic

Inorganic

### Global Nanofillers Market, By Physical Form:

Continuous

Discontinuous

### Global Nanofillers Market, By Application:

Construction

Paints & Coatings

Plastics

Adhesives & Sealants

Concrete

Films & Rubber

Others

## Global Nanofillers Market, By region:

### North America

United States

Canada

Mexico

### Europe

Germany

France

United Kingdom

Italy

Spain

### Asia-Pacific

China

India

Japan

South Korea

Australia

### South America

Brazil

Argentina

Colombia

Middle East & Africa

South Africa

Saudi Arabia

UAE

Kuwait

## Competitive Landscape

Company Profiles: Detailed analysis of the major companies present in global nanofillers market.

## Available Customizations:

With the given market data, TechSci Research offers customizations according to a company's specific needs. The following customization options are available for the report:

## Company Information

Detailed analysis and profiling of additional market players (up to five).

## Contents

### **1. PRODUCT OVERVIEW**

- 1.1. Market Definition
- 1.2. Scope of the Market
  - 1.2.1. Markets Covered
  - 1.2.2. Years Considered for Study
  - 1.2.3. Key Market Segmentations

### **2. RESEARCH METHODOLOGY**

- 2.1. Objective of the Study
- 2.2. Baseline Methodology
- 2.3. Research Data
  - 2.3.1. Secondary Data
  - 2.3.2. Primary Data
- 2.4. Market Size Estimation
  - 2.4.1. Bottom-Up Approach
  - 2.4.2. Top-Down Approach
- 2.5. Market Breakdown & Triangulation
- 2.6. Research Assumptions

### **3. EXECUTIVE SUMMARY**

- 3.1. Overview of the Market
- 3.2. Overview of Key Market Segmentations
- 3.3. Overview of Key Market Players
- 3.4. Overview of Key Regions/Countries
- 3.5. Overview of Market Drivers, Challenges, Trends

### **4. IMPACT OF COVID-19 ON GLOBAL NANO FILLER MARKET**

### **5. IMPACT OF RUSSIA-UKRAINE WAR ON GLOBAL NANO FILLER MARKET**

### **6. VOICE OF CUSTOMER**

### **7. GLOBAL NANO FILLER MARKET OUTLOOK**

## 7.1. Market Size & Forecast

### 7.1.1. By Value & Volume

## 7.2. Market Share & Forecast

### 7.2.1. By Type (Organic, Inorganic)

### 7.2.2. By Physical Form (Continuous, Discontinuous, Nanofillers)

### 7.2.3. By Application (Construction, Paints & Coatings, Plastics, Adhesives & Sealants, Concrete, Films & Rubber, others)

### 7.2.4. By Region (North America, Europe, Asia Pacific, South America, Middle East & Africa)

### 7.2.5. By Company (2022)

## 7.3. Market Map

### 7.3.1. By Type

### 7.3.2. By Physical Form

### 7.3.3. By Application

### 7.3.4. By Region

## 8. NORTH AMERICA NANO FILLER MARKET OUTLOOK

### 8.1. Market Size & Forecast

#### 8.1.1. By Value & Volume

### 8.2. Market Share & Forecast

#### 8.2.1. By Type

#### 8.2.2. By Physical Form

#### 8.2.3. By Application

#### 8.2.4. By Country

### 8.3. Pricing Analysis

### 8.4. North America: Country Analysis

#### 8.4.1. United States Nano Filler Market Outlook

##### 8.4.1.1. Market Size & Forecast

###### 8.4.1.1.1. By Value & Volume

##### 8.4.1.2. Market Share & Forecast

###### 8.4.1.2.1. By Type

###### 8.4.1.2.2. By Physical Form

###### 8.4.1.2.3. By Application

#### 8.4.2. Mexico Nano Filler Market Outlook

##### 8.4.2.1. Market Size & Forecast

###### 8.4.2.1.1. By Value & Volume

##### 8.4.2.2. Market Share & Forecast

###### 8.4.2.2.1. By Type

- 8.4.2.2.2. By Physical Form
- 8.4.2.2.3. By Application
- 8.4.3. Canada Nano Filler Market Outlook
  - 8.4.3.1. Market Size & Forecast
    - 8.4.3.1.1. By Value & Volume
  - 8.4.3.2. Market Share & Forecast
    - 8.4.3.2.1. By Type
    - 8.4.3.2.2. By Physical Form
    - 8.4.3.2.3. By Application

## **9. EUROPE NANO FILLER MARKET OUTLOOK**

- 9.1. Market Size & Forecast
  - 9.1.1. By Value & Volume
- 9.2. Market Share & Forecast
  - 9.2.1. By Type
  - 9.2.2. By Physical Form
  - 9.2.3. By Application
  - 9.2.4. By Country
- 9.3. Pricing Analysis
- 9.4. Europe: Country Analysis
  - 9.4.1. Germany Nano Filler Market Outlook
    - 9.4.1.1. Market Size & Forecast
      - 9.4.1.1.1. By Value & Volume
    - 9.4.1.2. Market Share & Forecast
      - 9.4.1.2.1. By Type
      - 9.4.1.2.2. By Physical Form
      - 9.4.1.2.3. By Application
  - 9.4.2. France Nano Filler Market Outlook
    - 9.4.2.1. Market Size & Forecast
      - 9.4.2.1.1. By Value & Volume
    - 9.4.2.2. Market Share & Forecast
      - 9.4.2.2.1. By Type
      - 9.4.2.2.2. By Physical Form
      - 9.4.2.2.3. By Application
  - 9.4.3. United Kingdom Nano Filler Market Outlook
    - 9.4.3.1. Market Size & Forecast
      - 9.4.3.1.1. By Value & Volume
    - 9.4.3.2. Market Share & Forecast



- 9.4.3.2.1. By Type
- 9.4.3.2.2. By Physical Form
- 9.4.3.2.3. By Application
- 9.4.4. Italy Nano Filler Market Outlook
  - 9.4.4.1. Market Size & Forecast
    - 9.4.4.1.1. By Value & Volume
  - 9.4.4.2. Market Share & Forecast
    - 9.4.4.2.1. By Type
    - 9.4.4.2.2. By Physical Form
    - 9.4.4.2.3. By Application
- 9.4.5. Spain Nano Filler Market Outlook
  - 9.4.5.1. Market Size & Forecast
    - 9.4.5.1.1. By Value & Volume
  - 9.4.5.2. Market Share & Forecast
    - 9.4.5.2.1. By Type
    - 9.4.5.2.2. By Physical Form
    - 9.4.5.2.3. By Application

## **10. ASIA-PACIFIC NANO FILLER MARKET OUTLOOK**

- 10.1. Market Size & Forecast
  - 10.1.1. By Value & Volume
- 10.2. Market Share & Forecast
  - 10.2.1. By Type
  - 10.2.2. By Physical Form
  - 10.2.3. By Application
  - 10.2.4. By Country
- 10.3. Pricing Analysis
- 10.4. Asia-Pacific: Country Analysis
  - 10.4.1. China Nano Filler Market Outlook
    - 10.4.1.1. Market Size & Forecast
      - 10.4.1.1.1. By Value & Volume
    - 10.4.1.2. Market Share & Forecast
      - 10.4.1.2.1. By Type
      - 10.4.1.2.2. By Physical Form
      - 10.4.1.2.3. By Application
  - 10.4.2. India Nano Filler Market Outlook
    - 10.4.2.1. Market Size & Forecast
      - 10.4.2.1.1. By Value & Volume

- 10.4.2.2. Market Share & Forecast
  - 10.4.2.2.1. By Type
  - 10.4.2.2.2. By Physical Form
  - 10.4.2.2.3. By Application
- 10.4.3. Japan Nano Filler Market Outlook
  - 10.4.3.1. Market Size & Forecast
    - 10.4.3.1.1. By Value & Volume
  - 10.4.3.2. Market Share & Forecast
    - 10.4.3.2.1. By Type
    - 10.4.3.2.2. By Physical Form
    - 10.4.3.2.3. By Application
- 10.4.4. South Korea Nano Filler Market Outlook
  - 10.4.4.1. Market Size & Forecast
    - 10.4.4.1.1. By Value & Volume
  - 10.4.4.2. Market Share & Forecast
    - 10.4.4.2.1. By Type
    - 10.4.4.2.2. By Physical Form
    - 10.4.4.2.3. By Application
- 10.4.5. Australia Nano Filler Market Outlook
  - 10.4.5.1. Market Size & Forecast
    - 10.4.5.1.1. By Value & Volume
  - 10.4.5.2. Market Share & Forecast
    - 10.4.5.2.1. By Type
    - 10.4.5.2.2. By Physical Form
    - 10.4.5.2.3. By Application

## **11. SOUTH AMERICA NANO FILLER MARKET OUTLOOK**

- 11.1. Market Size & Forecast
  - 11.1.1. By Value & Volume
- 11.2. Market Share & Forecast
  - 11.2.1. By Type
  - 11.2.2. By Physical Form
  - 11.2.3. By Application
  - 11.2.4. By Country
- 11.3. Pricing Analysis
- 11.4. South America: Country Analysis
  - 11.4.1. Brazil Nano Filler Market Outlook
    - 11.4.1.1. Market Size & Forecast

- 11.4.1.1.1. By Value & Volume
- 11.4.1.2. Market Share & Forecast
  - 11.4.1.2.1. By Type
  - 11.4.1.2.2. By Physical Form
  - 11.4.1.2.3. By Application
- 11.4.2. Colombia Nano Filler Market Outlook
  - 11.4.2.1. Market Size & Forecast
    - 11.4.2.1.1. By Value & Volume
  - 11.4.2.2. Market Share & Forecast
    - 11.4.2.2.1. By Type
    - 11.4.2.2.2. By Physical Form
    - 11.4.2.2.3. By Application
- 11.4.3. Argentina Nano Filler Market Outlook
  - 11.4.3.1. Market Size & Forecast
    - 11.4.3.1.1. By Value & Volume
  - 11.4.3.2. Market Share & Forecast
    - 11.4.3.2.1. By Type
    - 11.4.3.2.2. By Physical Form
    - 11.4.3.2.3. By Application

## **12. MIDDLE EAST AND AFRICA NANO FILLER MARKET OUTLOOK**

- 12.1. Market Size & Forecast
  - 12.1.1. By Value & Volume
- 12.2. Market Share & Forecast
  - 12.2.1. By Type
  - 12.2.2. By Physical Form
  - 12.2.3. By Application
  - 12.2.4. By Country
- 12.3. Pricing Analysis
- 12.4. MEA: Country Analysis
  - 12.4.1. South Africa Nano Filler Market Outlook
    - 12.4.1.1. Market Size & Forecast
      - 12.4.1.1.1. By Value & Volume
    - 12.4.1.2. Market Share & Forecast
      - 12.4.1.2.1. By Type
      - 12.4.1.2.2. By Physical Form
      - 12.4.1.2.3. By Application
  - 12.4.2. Saudi Arabia Nano Filler Market Outlook

- 12.4.2.1. Market Size & Forecast
  - 12.4.2.1.1. By Value & Volume
- 12.4.2.2. Market Share & Forecast
  - 12.4.2.2.1. By Type
  - 12.4.2.2.2. By Physical Form
  - 12.4.2.2.3. By Application
- 12.4.3. UAE Nano Filler Market Outlook
  - 12.4.3.1. Market Size & Forecast
    - 12.4.3.1.1. By Value & Volume
  - 12.4.3.2. Market Share & Forecast
    - 12.4.3.2.1. By Type
    - 12.4.3.2.2. By Physical Form
    - 12.4.3.2.3. By Application
- 12.4.4. Kuwait Nano Filler Market Outlook
  - 12.4.4.1. Market Size & Forecast
    - 12.4.4.1.1. By Value & Volume
  - 12.4.4.2. Market Share & Forecast
    - 12.4.4.2.1. By Type
    - 12.4.4.2.2. By Physical Form
    - 12.4.4.2.3. By Application

## **13. MARKET DYNAMICS**

### 13.1. Drivers

- 13.1.1. Worldwide Rise in Infrastructural Projects
- 13.1.2. Flourishing Paints & Coatings Industry
- 13.1.3. Numerous Benefits Associated with Nanofillers

### 13.2. Challenges

- 13.2.1. Environmental Concerns
- 13.2.2. Development of internal stresses along with lower impact and tensile strength in composites reinforced with nanofillers

## **14. MARKET TRENDS & DEVELOPMENTS**

- 14.1. Research & Development to identify new Applications
- 14.2. Mergers & Acquisitions
- 14.3. Product Launches

## **15. GLOBAL NANO FILLER MARKET: SWOT ANALYSIS**

## **16. PORTER'S FIVE FORCES ANALYSIS**

- 16.1. Competition in the Industry
- 16.2. Potential of New Entrants
- 16.3. Power of Suppliers
- 16.4. Power of Customers
- 16.5. Threat of Substitute Products

## **17. COMPETITIVE LANDSCAPE**

- 17.1. Business Overview
- 17.2. Product Offerings
- 17.3. Recent Developments
- 17.4. Financials (In Case of Listed Companies)
- 17.5. Key Personnel
- 17.6. SWOT Analysis
  - 17.6.1. J.M. Huber Corporation
  - 17.6.2. DuPont de Nemours, Inc.
  - 17.6.3. 3M Co.
  - 17.6.4. Reade International Corp.
  - 17.6.5. Eka Chemicals AB
  - 17.6.6. Galaxy Corporation
  - 17.6.7. Intelligent Materials Private Limited
  - 17.6.8. Shanghai Yaohua Nanotech Co. Ltd
  - 17.6.9. Henkel Corporation
  - 17.6.10. Fuso Chemical Co. Ltd

## **18. STRATEGIC RECOMMENDATIONS**

## I would like to order

Product name: Nanofillers Market- Global Industry Size, Share, Trends, Opportunity, and Forecast, 2018-2028 Segmented By Type (Organic, Inorganic), By Physical Form (Continuous, Discontinuous), By Application (Construction, Paints & Coatings, Plastics, Adhesives & Sealants, Concrete, Films & Rubber, Others), By Region and Competition

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