

Global Nanocomposites Market Report and Forecast 2024-2032

Market Report | 2023-11-17 | 173 pages | EMR Inc.

AVAILABLE LICENSES:

- Single User License \$2799.00
- Five User License \$3999.00
- Corporate License \$4999.00

Report description:

Global Nanocomposites Market Report and Forecast 2024-2032

Market Outlook

According to the report by Expert Market Research (EMR), the global nanocomposites market is projected to grow at a CAGR of 16.20% between 2024 and 2032 reaching a value of approximate USD 24.1 billion by 2032. Aided by the rising demand for advanced materials in various industries and the growth in applications of nanocomposites, the market is expected to grow significantly by 2032.

Nanocomposites are multiphase solid materials where one of the phases has dimensions in the nanometre range. They have exceptional mechanical, thermal, and electrical properties, making them suitable for a wide range of applications including automotive parts, packaging, electronics, aerospace, construction, and biomedical uses.

The increasing demand for advanced materials with superior properties is a significant driver for the global nanocomposites market growth. The extraordinary properties of nanocomposites, such as improved stiffness, heat resistance, flame retardancy, and barrier properties, have resulted in their extensive use in various industries, especially in the production of automotive parts and electronic components. Nanocomposites are increasingly employed in the food packaging industry, notably in the packaging of cheese, confectionery, processed meat, boil-in-the-bag food, and cereals, among other foods, due to their low permeability to gases, water, and hydrocarbons.

In addition, the growth in the applications of nanocomposites across different sectors plays a critical role in boosting the nanocomposites market demand. For instance, in the automotive industry, nanocomposites are used to manufacture lightweight yet durable components to improve fuel efficiency. In the packaging industry, nanocomposites are used for creating materials with better barrier properties, resulting in longer shelf-life of packaged goods.

Moreover, nanocomposites are being increasingly used in the biomedical field due to their biocompatibility and superior mechanical properties. They are used in various applications such as bone repair and replacement, drug delivery systems, and in the development of antimicrobial surfaces. Such properties are fuelling the global nanocomposites market development. Furthermore, the growing interest in eco-friendly and sustainable products is leading to a rise in the demand for nanocomposites. As nanocomposites can significantly improve the properties of biodegradable polymers, they are being extensively used to create green and sustainable materials, thus, further influencing the nanocomposites market outlook.

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

Market Segmentation □

The market can be divided based on material type, application, and region.

Market Breakup by Material Type

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

Market Breakup by Application

- Packaging
- Automotive
- Electronics and Semiconductors
- Coatings
- Aerospace and Defence
- Energy
- Others

Market Breakup by Region

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

Competitive Landscape

The EMR report looks into the market shares, plant turnarounds, capacities, investments, and mergers and acquisitions, among other major developments, of the leading companies operating in the global nanocomposites market. Some of the major players explored in the report by Expert Market Research are as follows:

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

About Us

Acquire unparalleled access to critical industry insights with our comprehensive market research reports, meticulously prepared by a team of seasoned experts. These reports are designed to equip decision-makers with an in-depth understanding of prevailing market trends, competitive landscapes, and growth opportunities.

Our high-quality, data-driven analysis provide the essential framework for organisations seeking to make informed and strategic decisions in an increasingly complex and rapidly evolving business environment. By investing in our market research reports, you can ensure your organisation remains agile, proactive, and poised for success in today's competitive market.

Don't miss the opportunity to elevate your business intelligence and strengthen your strategic planning. Secure your organisation's future success by acquiring one of our Expert Market Research reports today.

*We at Expert Market Research always strive to provide you with the latest information. The numbers in the article are only indicative and may be different from the actual report.

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

Table of Contents:

- 1 Preface
- 2 Report Coverage - Key Segmentation and Scope
- 3 Report Description
 - 3.1 Market Definition and Outlook
 - 3.2 Properties and Applications
 - 3.3 Market Analysis
 - 3.4 Key Players
- 4 Key Assumptions
- 5 Executive Summary
 - 5.1 Overview
 - 5.2 Key Drivers
 - 5.3 Key Developments
 - 5.4 Competitive Structure
 - 5.5 Key Industrial Trends
- 6 Snapshot
 - 6.1 Global
 - 6.2 Regional
- 7 Opportunities and Challenges in the Market
- 8 Global Nanocomposites Market Analysis
 - 8.1 Key Industry Highlights
 - 8.2 Global Nanocomposites Historical Market (2018-2023)
 - 8.3 Global Nanocomposites Market Forecast (2024-2032)
 - 8.4 Global Nanocomposites Market by Material Type
 - 8.4.1 Carbon Nanotubes
 - 8.4.1.1 Market Share
 - 8.4.1.2 Historical Trend (2018-2023)
 - 8.4.1.3 Forecast Trend (2024-2032)
 - 8.4.2 Metal Oxides
 - 8.4.2.1 Market Share
 - 8.4.2.2 Historical Trend (2018-2023)
 - 8.4.2.3 Forecast Trend (2024-2032)
 - 8.4.3 Nanoclay
 - 8.4.3.1 Market Share
 - 8.4.3.2 Historical Trend (2018-2023)
 - 8.4.3.3 Forecast Trend (2024-2032)
 - 8.4.4 Nanofibre
 - 8.4.4.1 Market Share
 - 8.4.4.2 Historical Trend (2018-2023)
 - 8.4.4.3 Forecast Trend (2024-2032)
 - 8.4.5 Graphene
 - 8.4.5.1 Market Share
 - 8.4.5.2 Historical Trend (2018-2023)
 - 8.4.5.3 Forecast Trend (2024-2032)
 - 8.4.6 Others
 - 8.5 Global Nanocomposites Market by Application
 - 8.5.1 Packaging

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- 8.5.1.1 Market Share
 - 8.5.1.2 Historical Trend (2018-2023)
 - 8.5.1.3 Forecast Trend (2024-2032)
- 8.5.2 Automotive
 - 8.5.2.1 Market Share
 - 8.5.2.2 Historical Trend (2018-2023)
 - 8.5.2.3 Forecast Trend (2024-2032)
- 8.5.3 Electronics & Semiconductors
 - 8.5.3.1 Market Share
 - 8.5.3.2 Historical Trend (2018-2023)
 - 8.5.3.3 Forecast Trend (2024-2032)
- 8.5.4 Coatings
 - 8.5.4.1 Market Share
 - 8.5.4.2 Historical Trend (2018-2023)
 - 8.5.4.3 Forecast Trend (2024-2032)
- 8.5.5 Aerospace & Defence
 - 8.5.5.1 Market Share
 - 8.5.5.2 Historical Trend (2018-2023)
 - 8.5.5.3 Forecast Trend (2024-2032)
- 8.5.6 Energy
 - 8.5.6.1 Market Share
 - 8.5.6.2 Historical Trend (2018-2023)
 - 8.5.6.3 Forecast Trend (2024-2032)
- 8.5.7 Others
- 8.6 Global Nanocomposites Market by Region
 - 8.6.1 North America
 - 8.6.1.1 Market Share
 - 8.6.1.2 Historical Trend (2018-2023)
 - 8.6.1.3 Forecast Trend (2024-2032)
 - 8.6.2 Europe
 - 8.6.2.1 Market Share
 - 8.6.2.2 Historical Trend (2018-2023)
 - 8.6.2.3 Forecast Trend (2024-2032)
 - 8.6.3 Asia Pacific
 - 8.6.3.1 Market Share
 - 8.6.3.2 Historical Trend (2018-2023)
 - 8.6.3.3 Forecast Trend (2024-2032)
 - 8.6.4 Latin America
 - 8.6.4.1 Market Share
 - 8.6.4.2 Historical Trend (2018-2023)
 - 8.6.4.3 Forecast Trend (2024-2032)
 - 8.6.5 Middle East and Africa
 - 8.6.5.1 Market Share
 - 8.6.5.2 Historical Trend (2018-2023)
 - 8.6.5.3 Forecast Trend (2024-2032)
- 9 North America Nanocomposites Market Analysis
 - 9.1 United States of America

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- 9.1.1 Market Share
 - 9.1.2 Historical Trend (2018-2023)
 - 9.1.3 Forecast Trend (2024-2032)
- 9.2 Canada
 - 9.2.1 Market Share
 - 9.2.2 Historical Trend (2018-2023)
 - 9.2.3 Forecast Trend (2024-2032)
- 10 Europe Nanocomposites Market Analysis
 - 10.1 United Kingdom
 - 10.1.1 Market Share
 - 10.1.2 Historical Trend (2018-2023)
 - 10.1.3 Forecast Trend (2024-2032)
 - 10.2 Germany
 - 10.2.1 Market Share
 - 10.2.2 Historical Trend (2018-2023)
 - 10.2.3 Forecast Trend (2024-2032)
 - 10.3 France
 - 10.3.1 Market Share
 - 10.3.2 Historical Trend (2018-2023)
 - 10.3.3 Forecast Trend (2024-2032)
 - 10.4 Italy
 - 10.4.1 Market Share
 - 10.4.2 Historical Trend (2018-2023)
 - 10.4.3 Forecast Trend (2024-2032)
 - 10.5 Others
- 11 Asia Pacific Nanocomposites Market Analysis
 - 11.1 China
 - 11.1.1 Market Share
 - 11.1.2 Historical Trend (2018-2023)
 - 11.1.3 Forecast Trend (2024-2032)
 - 11.2 Japan
 - 11.2.1 Market Share
 - 11.2.2 Historical Trend (2018-2023)
 - 11.2.3 Forecast Trend (2024-2032)
 - 11.3 India
 - 11.3.1 Market Share
 - 11.3.2 Historical Trend (2018-2023)
 - 11.3.3 Forecast Trend (2024-2032)
 - 11.4 ASEAN
 - 11.4.1 Market Share
 - 11.4.2 Historical Trend (2018-2023)
 - 11.4.3 Forecast Trend (2024-2032)
 - 11.5 Australia
 - 11.5.1 Market Share
 - 11.5.2 Historical Trend (2018-2023)
 - 11.5.3 Forecast Trend (2024-2032)
 - 11.6 Others

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- 12 Latin America Nanocomposites Market Analysis
 - 12.1 Brazil
 - 12.1.1 Market Share
 - 12.1.2 Historical Trend (2018-2023)
 - 12.1.3 Forecast Trend (2024-2032)
 - 12.2 Argentina
 - 12.2.1 Market Share
 - 12.2.2 Historical Trend (2018-2023)
 - 12.2.3 Forecast Trend (2024-2032)
 - 12.3 Mexico
 - 12.3.1 Market Share
 - 12.3.2 Historical Trend (2018-2023)
 - 12.3.3 Forecast Trend (2024-2032)
 - 12.4 Others
- 13 Middle East and Africa Nanocomposites Market Analysis
 - 13.1 Saudi Arabia
 - 13.1.1 Market Share
 - 13.1.2 Historical Trend (2018-2023)
 - 13.1.3 Forecast Trend (2024-2032)
 - 13.2 United Arab Emirates
 - 13.2.1 Market Share
 - 13.2.2 Historical Trend (2018-2023)
 - 13.2.3 Forecast Trend (2024-2032)
 - 13.3 Nigeria
 - 13.3.1 Market Share
 - 13.3.2 Historical Trend (2018-2023)
 - 13.3.3 Forecast Trend (2024-2032)
 - 13.4 South Africa
 - 13.4.1 Market Share
 - 13.4.2 Historical Trend (2018-2023)
 - 13.4.3 Forecast Trend (2024-2032)
 - 13.5 Others
- 14 Market Dynamics
 - 14.1 SWOT Analysis
 - 14.1.1 Strengths
 - 14.1.2 Weaknesses
 - 14.1.3 Opportunities
 - 14.1.4 Threats
 - 14.2 Porter's Five Forces Analysis
 - 14.2.1 Supplier's Power
 - 14.2.2 Buyer's Power
 - 14.2.3 Threat of New Entrants
 - 14.2.4 Degree of Rivalry
 - 14.2.5 Threat of Substitutes
 - 14.3 Key Indicators for Demand
 - 14.4 Key Indicators for Price
- 15 Value Chain Analysis

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- 16 Competitive Landscape
 - 16.1 Market Structure
 - 16.2 Company Profiles
 - 16.2.1 Mineral Technologies Inc.
 - 16.2.1.1 Company Overview
 - 16.2.1.2 Product Portfolio
 - 16.2.1.3 Demographic Reach and Achievements
 - 16.2.1.4 Certifications
 - 16.2.2 DuPont de Nemours, Inc
 - 16.2.2.1 Company Overview
 - 16.2.2.2 Product Portfolio
 - 16.2.2.3 Demographic Reach and Achievements
 - 16.2.2.4 Certifications
 - 16.2.3 Zyvex Technologies Inc.
 - 16.2.3.1 Company Overview
 - 16.2.3.2 Product Portfolio
 - 16.2.3.3 Demographic Reach and Achievements
 - 16.2.3.4 Certifications
 - 16.2.4 Arkema Inc.
 - 16.2.4.1 Company Overview
 - 16.2.4.2 Product Portfolio
 - 16.2.4.3 Demographic Reach and Achievements
 - 16.2.4.4 Certifications
 - 16.2.5 Powdermet Inc.
 - 16.2.5.1 Company Overview
 - 16.2.5.2 Product Portfolio
 - 16.2.5.3 Demographic Reach and Achievements
 - 16.2.5.4 Certifications
 - 16.2.6 RTP Company
 - 16.2.6.1 Company Overview
 - 16.2.6.2 Product Portfolio
 - 16.2.6.3 Demographic Reach and Achievements
 - 16.2.6.4 Certifications
 - 16.2.7 Others
- 17 Key Trends and Developments in the Market

List of Key Figures and Tables

1. Global Nanocomposites Market: Key Industry Highlights, 2018 and 2032
2. Global Nanocomposites Historical Market: Breakup by Product (USD Billion), 2018-2023
3. Global Nanocomposites Market Forecast: Breakup by Product (USD Billion), 2024-2032
4. Global Nanocomposites Historical Market: Breakup by Application (USD Billion), 2018-2023
5. Global Nanocomposites Market Forecast: Breakup by Application (USD Billion), 2024-2032
6. Global Nanocomposites Historical Market: Breakup by Consumer (USD Billion), 2018-2023
7. Global Nanocomposites Market Forecast: Breakup by Consumer (USD Billion), 2024-2032
8. Global Nanocomposites Historical Market: Breakup by Region (USD Billion), 2018-2023
9. Global Nanocomposites Market Forecast: Breakup by Region (USD Billion), 2024-2032
10. North America Nanocomposites Historical Market: Breakup by Country (USD Billion), 2018-2023

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

11. North America Nanocomposites Market Forecast: Breakup by Country (USD Billion), 2024-2032
12. Europe Nanocomposites Historical Market: Breakup by Country (USD Billion), 2018-2023
13. Europe Nanocomposites Market Forecast: Breakup by Country (USD Billion), 2024-2032
14. Asia Pacific Nanocomposites Historical Market: Breakup by Country (USD Billion), 2018-2023
15. Asia Pacific Nanocomposites Market Forecast: Breakup by Country (USD Billion), 2024-2032
16. Latin America Nanocomposites Historical Market: Breakup by Country (USD Billion), 2018-2023
17. Latin America Nanocomposites Market Forecast: Breakup by Country (USD Billion), 2024-2032
18. Middle East and Africa Nanocomposites Historical Market: Breakup by Country (USD Billion), 2018-2023
19. Middle East and Africa Nanocomposites Market Forecast: Breakup by Country (USD Billion), 2024-2032
20. Global Nanocomposites Market Structure

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

Global Nanocomposites Market Report and Forecast 2024-2032

Market Report | 2023-11-17 | 173 pages | EMR Inc.

To place an Order with Scotts International:

- ☐ - Print this form
- ☐ - Complete the relevant blank fields and sign
- ☐ - Send as a scanned email to support@scotts-international.com

ORDER FORM:

Select license	License	Price
	Single User License	\$2799.00
	Five User License	\$3999.00
	Corporate License	\$4999.00
		VAT
		Total

*Please circle the relevant license option. For any questions please contact support@scotts-international.com or 0048 603 394 346.

☐ ** VAT will be added at 23% for Polish based companies, individuals and EU based companies who are unable to provide a valid EU Vat Numbers.

Email*	<input type="text"/>	Phone*	<input type="text"/>
First Name*	<input type="text"/>	Last Name*	<input type="text"/>
Job title*	<input type="text"/>		
Company Name*	<input type="text"/>	EU Vat / Tax ID / NIP number*	<input type="text"/>
Address*	<input type="text"/>	City*	<input type="text"/>
Zip Code*	<input type="text"/>	Country*	<input type="text"/>
		Date	<input type="text" value="2025-05-04"/>
		Signature	<input type="text"/>

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com