

Nanocomposite Film Market, Global Outlook and Forecast 2022-2028

<https://marketpublishers.com/r/NF83779EDB32EN.html>

Date: June 2022

Pages: 76

Price: US\$ 3,250.00 (Single User License)

ID: NF83779EDB32EN

Abstracts

Nanocomposite film is a blend of a biopolymer and nanofillers to make a solid multiphase material system. So, when producing nanocomposite by the casting method, it is necessary previously to well disperse the NPs in water, because generally it is commercialized in an agglomerate microscopic form. Then, when the polymer and nanofiller in solution are mixed, the polymer chains intercalate and displace the solvent within the interlayer of the nanocomposite. Upon solvent removal, the intercalated/exfoliated structure remains, resulting in polymer nanocomposite films with improved properties. So, the selection of an appropriate solvent is a primary criterion for obtaining the desired level of intercalated/exfoliated of an NP into the polymer. Flaker et al. observed that the quality of dispersion of NP in water has important effect on its particle size and zeta potential, with evident effect on the properties of nanocomposite films.

This report contains market size and forecasts of Nanocomposite Film in global, including the following market information:

Global Nanocomposite Film Market Revenue, 2017-2022, 2023-2028, (\$ millions)

Global Nanocomposite Film Market Sales, 2017-2022, 2023-2028, (K Sqm)

Global top five Nanocomposite Film companies in 2021 (%)

The global Nanocomposite Film market was valued at million in 2021 and is projected to reach US\$ million by 2028, at a CAGR of % during the forecast period 2022-2028.

The U.S. Market is Estimated at \$ Million in 2021, While China is Forecast to Reach \$

Million by 2028.

Physical Processes Segment to Reach \$ Million by 2028, with a % CAGR in next six years.

The global key manufacturers of Nanocomposite Film include Arkema SA, BASF, Cabot Corporation, Elementis Specialties, Inframat Corporation, DuPont, Foster Corporation, Nanocor Incorporated and Powdermet and etc. In 2021, the global top five players have a share approximately % in terms of revenue.

MARKET MONITOR GLOBAL, INC (MMG) has surveyed the Nanocomposite Film manufacturers, suppliers, distributors and industry experts on this industry, involving the sales, revenue, demand, price change, product type, recent development and plan, industry trends, drivers, challenges, obstacles, and potential risks.

Total Market by Segment:

Global Nanocomposite Film Market, by Type, 2017-2022, 2023-2028 (\$ Millions) & (K Sqm)

Global Nanocomposite Film Market Segment Percentages, by Type, 2021 (%)

Physical Processes

Chemical Processes

Global Nanocomposite Film Market, by Application, 2017-2022, 2023-2028 (\$ Millions) & (K Sqm)

Global Nanocomposite Film Market Segment Percentages, by Application, 2021 (%)

Packaging

Space Protection

Bioengineering

Others

Global Nanocomposite Film Market, By Region and Country, 2017-2022, 2023-2028 (\$ Millions) & (K Sqm)

Global Nanocomposite Film Market Segment Percentages, By Region and Country, 2021 (%)

North America

US

Canada

Mexico

Europe

Germany

France

U.K.

Italy

Russia

Nordic Countries

Benelux

Rest of Europe

Asia

China

Japan

South Korea

Southeast Asia

India

Rest of Asia

South America

Brazil

Argentina

Rest of South America

Middle East & Africa

Turkey

Israel

Saudi Arabia

UAE

Rest of Middle East & Africa

Competitor Analysis

The report also provides analysis of leading market participants including:

Key companies Nanocomposite Film revenues in global market, 2017-2022 (Estimated), (\$ millions)

Key companies Nanocomposite Film revenues share in global market, 2021 (%)

Key companies Nanocomposite Film sales in global market, 2017-2022 (Estimated), (K Sqm)

Key companies Nanocomposite Film sales share in global market, 2021 (%)

Further, the report presents profiles of competitors in the market, key players include:

Arkema SA

BASF

Cabot Corporation

Elementis Specialties

Inframat Corporation

DuPont

Foster Corporation

Nanocor Incorporated

Powdermet

Showa Denko K.K.

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