

The Global Market for Nanofibers 2021-2031

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Abstracts

Nanofibers have been prepared from a range of materials, such as synthetic polymers, natural polymers, carbon-based nanomaterials, semiconducting nanomaterials, and composite nanomaterials. Nanofibers are steadily gaining popularity in drug delivery systems, medical implants, water and air filtration, cell-cultured meat and protective clothing. The BMW electric M-series automobile incorporates nanofiber air filtration. Demand has increased due growing needs for materials offering high functionality, such as absorbency and grip, and excellent comfort including soft texture and low skin irritation. This has been further boosted by the explosion in demand for medical grade face coverings and air and microfiltration media, high efficiency fuel filtration, advanced filtration, life sciences/pharmaceutical medias, acoustics and performance apparel over the past 18 months. These trends will continue over the next decade.

Nanofibers have wide-ranging morphologies, and are produced using a variety of materials such as:

Natural polymers.

Synthetic polymers.

Carbon nanomaterials.

Semiconducting materials

Composite materials.

Chitin

Report contents include:

Global revenues for nanofibers, historical and forecast to 2031, by market and by region.

Nanofiber products.

Production technologies and equipment analysis and supplier profiles.

Market drivers, trends and challenges, by end user markets.

Roadmap for nanofibers.

End user market assessment for nanofibers in textiles, medical and healthcare, filtration, and other markets.

In-depth profiles of 65 polymer nanofiber companies, include products commercial activities. Nanofiber companies profiled include Bioinicia SL, Donaldson, 4C Air Inc, Gelatex Technologies, Lime Co., Ltd., Matregenix, M-TEchX, Vivolta and many more.

In-depth profiles of 10 carbon nanofiber companies, include products commercial activities. Nanofiber companies profiled include Bergen Carbon Solutions, Carbonova, Grupo Antolin etc.

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