

# Low Melting Fiber Market to Expand at an Impressive CAGR of 6.9% by 2032 | Report By insightSLICE

*Low Melting Fiber Market Global Sales are Expected to Reach US\$ 4.05 Billion by 2032*

SANTA ROSA, CALIFORNIA, USA, April 26, 2023 /EINPresswire.com/ -- The Global [Low Melting Fiber Market](#) Share, Trends, Analysis and Forecasts, 2019-2032 provides insights on key developments, business strategies, research & development activities, supply chain analysis, competitive landscape, and market composition analysis.

The Global Low Melting Fiber Market size was estimated to be US\$ 2.08 Billion in 2022 and is expected to reach US\$ 4.05 Billion by 2032 at a CAGR of 6.9%. Low melting fiber is a type of synthetic fiber that has a low melting point. It is made from materials such as polyester, polyamide,

polypropylene, or a blend of these materials. These fibers have a melting point that is lower than traditional synthetic fibers, typically around 150 to 220°C. The low melting point makes the fibers suitable for use in a wide range of applications, including insulation materials, filters, composites, and non-woven fabrics. In these applications, the low melting point allows for easy bonding and processing, making it a popular choice in industries such as automotive, aerospace, textiles, construction, and medical.

Growth driving factors of Global Low Melting Fibers Market

Increasing use of low melting fibers in filtration applications, Rising Demand for Insulation



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Materials, Growing Demand for Composites, Increase in Non-Woven Fabrics Production, Rising environmental concerns, and technological advancement are driving the global low melting fiber market.

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**Increasing use of low melting fibers in filtration applications:** The increasing use of low melting fibers in filtration applications is another driving factor for the market. Low melting fibers are widely used in the production of filters for various applications, such as air and water filtration, due to their good filtration efficiency and ability to withstand high temperatures. For example, the growing demand for air purifiers and air conditioning systems is expected to drive demand for low melting fibers in the filtration industry.

**Rising Demand for Insulation Materials:** The need for energy-efficient insulation materials has been increasing in the construction industry, leading to a growing demand for low melting fiber-based insulation materials. These materials are used in building walls, roofs, and floors to improve energy efficiency and reduce heating and cooling costs. The construction industry is increasingly using low melting fiber-based insulation materials in the production of energy-efficient homes and buildings.

**Growing Demand for Composites:** The demand for composites has been growing in various end-use industries, such as automotive, aerospace, and construction, due to their high strength and stability. Low melting fibers are used in the production of composite materials, which provide high strength and stability. The aerospace industry, for example, uses low melting fiber-based composites to manufacture lightweight and strong aircraft components.

**Increase in Non-Woven Fabrics Production:** The demand for low melting fiber-based non-woven fabrics has been increasing in various end-use industries, such as medical, hygiene, and textiles. Low melting fibers are used to produce non-woven fabrics, which are used in the manufacture of disposable products, such as masks, diapers, and wipes. The growing demand for disposable products is driving the production of low melting fiber-based non-woven fabrics.

**Rising environmental concerns:** The increasing environmental concerns over the use of traditional synthetic fibers is driving demand for low melting fibers, which are environmentally friendly and recyclable. The ability of low melting fibers to be melted and remolded makes them an environmentally friendly alternative to traditional synthetic fibers, as they can be reused instead of discarded.

**Technological advancements in low melting fiber production:** Technological advancements in low melting fiber production, such as the development of new low melting fiber materials and production processes, are driving the growth of the market. For example, the development of new polyamide low melting fibers with improved properties such as higher strength and toughness is expected to drive demand for these fibers in the composites and non-woven

fabrics industries.

The leading market segments of Global Low Melting Fiber Market

On the basis of type of fiber, the polyester segment is the largest segment in the low melting fiber market due to its properties, such as high strength, durability, and resistance to heat and chemicals. Polyester low melting fibers are widely used in various applications, such as filtration, insulation, composites, and non-woven fabrics. The demand for polyester low melting fibers has increased due to their ability to withstand harsh environments and conditions, making them suitable for use in a variety of industries.

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Some key trends in the polyester low melting fiber segment include the development of high-performance polyester fibers and the use of sustainable materials in the production of polyester fibers. There is also an increasing focus on reducing the weight of products while maintaining strength and durability, leading to the development of lightweight polyester fibers. Additionally, the growth of the automotive and construction industries is driving demand for polyester low melting fibers in these sectors.

Another trend is the increasing use of recycled polyester fibers, which are environmentally friendly and more sustainable. The increasing demand for eco-friendly and sustainable products is driving the use of recycled polyester fibers, particularly in the non-woven fabrics and filtration industries. These trends are expected to drive growth in the polyester low melting fiber segment in the coming years.

Geographically, the Asia-Pacific region is the largest segment in the global low melting fiber market due to the presence of a large number of manufacturers and the growing demand for low melting fibers in the region. The growing construction, automotive, and textiles industries in countries such as China, India, and South Korea are driving demand for low melting fibers in the region.

Key trends in the Asia-Pacific region include the increasing use of low melting fibers in the production of energy-efficient insulation materials and the growing demand for composite materials. The automotive industry in the region is also driving demand for low melting fibers, as manufacturers look to reduce the weight of vehicles while maintaining strength and durability. Additionally, the increasing focus on sustainability and environmental protection is driving demand for eco-friendly and sustainable low melting fibers.

Another trend is the increasing investment in research and development in the low melting fiber market, leading to the development of new low melting fiber materials and production processes. This investment is expected to drive growth in the Asia-Pacific region, as well as in other regions such as North America and Europe. These trends are expected to drive growth in

the low melting fiber market in the Asia-Pacific region in the coming years.

The key players of the Global Low Melting Fiber Market are:

Albany Engineered Composites (US), Changshu Dachang Fiber Polyester Co. Ltd. (China), China National Complete Plant Import & Export Corporation (China), Daekwang Chemical Co. Ltd. (South Korea), Hubei Xintong Science and Technology Co. Ltd. (China), Hyosung Corporation (South Korea), Kaneka Corporation (Japan), Mitsubishi Chemical Corporation (Japan), Nantong Jianan Medical Material Co. Ltd. (China), Nippon Electric Glass Co. Ltd. (Japan), Shanghai Ruizheng Chemical Technology Co. Ltd. (China), Sichuan Dehengte New Material Technology Co. Ltd. (China), Taekwang Industrial Co. Ltd. (South Korea), Toyobo Co. Ltd. (Japan), and Toray Industries Inc. (Japan), and Others.

Global Low Melting Fiber Market Key Segments:

By Type

- Polyester
- Polyamide
- Polypropylene
- Other Fiber Type

By End-user Industry

- Automotive
- Aerospace
- Textile
- Construction
- Medical
- Other Industries

By Region

- North America
  - \* United States
  - \* Canada
  - \* Rest of North America
- Europe
  - \* Germany
  - \* United Kingdom
  - \* Italy
  - \* France

- \* Spain
- \* Rest of Europe

- Asia Pacific

- \* Japan
- \* India
- \* China
- \* Australia
- \* South Korea
- \* Rest of Asia Pacific

- Middle East & Africa

- \* UAE
- \* Saudi Arabia
- \* South Africa
- \* Rest of the Middle East & Africa

- South America

- \* Brazil
- \* Rest of South America

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