

Global Polyacrylonitrile Material Production, Demand and Key Producers, 2022-2028

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Abstracts

Polyacrylonitrile (PAN), also known as polyvinyl cyanide and Creslan 61, is a synthetic, semicrystalline organic polymer resin, with the linear formula $(C_3H_3N)_n$. Though it is thermoplastic, it does not melt under normal conditions. It degrades before melting. It melts above 300 °C if the heating rates are 50 degrees per minute or above. Almost all PAN resins are copolymers made from mixtures of monomers with acrylonitrile as the main monomer. It is a versatile polymer used to produce large variety of products including ultra filtration membranes, hollow fibers for reverse osmosis, fibers for textiles, and oxidized PAN fibers. PAN fibers are the chemical precursor of very high-quality carbon fiber. PAN is first thermally oxidized in air at 230 °C to form an oxidized PAN fiber and then carbonized above 1000 °C in inert atmosphere to make carbon fibers found in a variety of both high-tech and common daily applications such as civil and military aircraft primary and secondary structures, missiles, solid propellant rocket motors, pressure vessels, fishing rods, tennis rackets and bicycle frames. It is a component repeat unit in several important copolymers, such as styrene-acrylonitrile (SAN) and acrylonitrile butadiene styrene (ABS) plastic.

This report studies the global Polyacrylonitrile Material production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Polyacrylonitrile Material, and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2021 as the base year. This report explores demand trends and competition, as well as details the characteristics of Polyacrylonitrile Material that contribute to its increasing demand across many markets.

The global Polyacrylonitrile Material market size is expected to reach \$ million by 2028,

rising at a market growth of % CAGR during the forecast period (2022-2028).

Highlights and key features of the study

Global Polyacrylonitrile Material total production and demand, 2017-2028, (Tons)

Global Polyacrylonitrile Material total production value, 2017-2028, (USD Million)

Global Polyacrylonitrile Material production by region & country, production, value, CAGR, 2017-2028, (USD Million) & (Tons)

Global Polyacrylonitrile Material consumption by region & country, CAGR, 2017-2028 & (Tons)

U.S. VS China: Polyacrylonitrile Material domestic production, consumption, key domestic manufacturers and share

Global Polyacrylonitrile Material production by manufacturer, production, price, value and market share 2017-2022, (USD Million) & (Tons)

Global Polyacrylonitrile Material production by Type, production, value, CAGR, 2017-2028, (USD Million) & (Tons)

Global Polyacrylonitrile Material production by Application production, value, CAGR, 2017-2028, (USD Million) & (Tons)

This reports profiles key players in the global Polyacrylonitrile Material market based on the following parameters – headquarters, production locations, products portfolio, Polyacrylonitrile Material revenue, sales, average price and gross margin, recent developments.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals, COVID-19 and Russia-Ukraine War Influence.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Polyacrylonitrile Material market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (Tons) and average price (US\$/Ton) by manufacturer, by Type, and by Application. Data is given for the years 2017-2028 by year with 2021 as the base year, 2022 as the estimate year, and 2028 as the forecast year.

Global Polyacrylonitrile Material Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Global Polyacrylonitrile Material Market, Segmentation by Type

Acrylic Top

Acrylic Tow

Acrylic Staple Fiber

Global Polyacrylonitrile Material Market, Segmentation by Application

Ultrafiltration Membrane

Thruster Device

Consumer Products

Companies Profiled:

Mitsubishi Chemical

TOYOBO

Kaltex

SDF Group

Taekwang

Aditya Birla Group

Formosa Plastics Corporation

Toray

CNPC

Montefibre

Pasupati Acrylon

Dralon

SGL (Fisipe)

Indian Acrylics

Sinopec

Huashijie Environment Technology

Jilin Chemical Fiber

AKSA

Jiangsu Zhongxin Group

Zhejiang Hangzhouwan

Key Questions Answered

1. How big is the global Polyacrylonitrile Material market?
2. What is the demand of the global Polyacrylonitrile Material market?
3. What is the year over year growth of the global Polyacrylonitrile Material market?
4. What is the production and production value of the global Polyacrylonitrile Material market?
5. Who are the key producers in the global Polyacrylonitrile Material market?
6. What are the growth factors driving the market demand?

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