Polytetrafluoroethylene (PTFE) - A Global Market Overview

Description: Polytetrafluoroethylene (PTFE), a homopolymer of tetrafluoroethylene, is a linear chain polymer of great molecular length, or a "long chain" fluorocarbon, with the chemical formula \((\text{CF}_2\text{CF}_2)_n\). PTFE resins have exceptional resistance to high temperatures, chemical reaction, corrosion, and stress-cracking. The mechanical toughness, electrical, and low-friction properties of PTFE make it the plastic of choice for a host of applications and different processing techniques.

PTFE's vast potential applications in developing world such as China, India, Russia and other emerging countries is a key opportunity for PTFE manufacturers, that would be converted into market demand by new product and application development. Increasing use of novel products like modified PTFE and expanded PTFE in applications such as chemical processing, electrical & electronics, medical devices and filtration is set to increase the global demand for PTFE in the coming years. Micronized PTFE is estimated to be the fastest growing product form owing to the increasing usage in applications including thermoplastics, lubricants and inks.

Global market for Polytetrafluoroethylene (PTFE) has reached 165 thousand metric tons in 2015 and is projected to reach 247 thousand metric tons by 2022 at a CAGR of 5.6% between 2016 and 2022. In regard to the market value, global demand for PTFE is projected to touch US$2.9 billion by 2022. Accounting for a share estimated at 53% and equating to 87.4 thousand metric tons in 2015, Asia-Pacific is the leading global consumer of PTFE, which is also likely to post the fastest 2016-2022 CAGR of 7.3%. The chemical processing sector leads the global volume consumption of PTFE with an estimated 50.9 thousand metric tons (30.9% share). In terms of growth, the volume market for PTFE in the automotive & transportation sector is likely to post the fastest 2016-2022 CAGR of 6.9% and reach a projected 34.1 thousand metric tons by 2022.

Worldwide market for PTFE product forms explored in this study includes Granular PTFE, PTFE Fine Powders, PTFE Micronized Powders and PTFE Aqueous Dispersions. The report also analyzes the key end-use sectors of PTFE comprising Chemical Processing, Electricals & Electronics, Mechanical/Industrial, Automotive & Transportation, Building & Construction and Other Sectors including such as Medical and Textiles etc. The global markets for the above mentioned product forms, end-use sectors are analyzed in terms of volume in metric tons and value in USD.

The report reviews, analyses and projects the Polytetrafluoroethylene (PTFE) market for the period 2012-2022 globally and the regional markets including North America, Europe, Asia-Pacific and Rest of World. The regional markets further analyzed for 12 independent countries across North America - The United States, Canada and Mexico; Europe - France, Germany, Italy, Russia and the United Kingdom; and Asia-Pacific - China, Japan, India and South Korea.

This 342 page global market research report includes 244 charts (includes a data table and graphical representation for each chart), supported with meaningful and easy to understand graphical presentation, of market numbers. This report profiles 12 key global players and 25 major players across North America - 3; Europe - 5; and Asia-Pacific - 17. The research also provides the listing of the companies engaged in manufacturing, processing and compounding of PTFE. The global list of companies covers the address, contact numbers and the website addresses of 108 companies.

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