

Fluoropolymer Market by Types (PTFE, PVDF, FEP, and Fluoroelastomers), by Applications (Automotive & Transportation, Electrical & Electronics, Chemical Processing, and Industrial Equipment) - Global Trends and Forecasts to 2019

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Abstracts

This report on fluoropolymers market covers latest market trends and forecasting reports for the global fluoropolymers industry. Fluoropolymers are polymeric resins in which some or all of the hydrogen atoms in the polymer chain have been replaced by fluorine. They offer a combination of good chemical resistance, excellent electrical insulation properties, and favorable mechanical properties. These are highly weather resistant and can function in extreme temperatures. Fluoropolymers are olefinic polymers and comprise partially or fully fluorinated olefinic monomers, such as vinylidene fluoride and tetrafluoroethylene (TFE). There are also some specialty fluorinated polymers, such as perfluoroethers, fluoroacrylates, and fluorosilicones, which are used in very minute quantities when compared to olefinic fluoropolymers.

These fluorinated polymers can be manufactured using various raw materials and different manufacturing processes. The value chain ranges from basic fluorochemicals and mineral products all the way to end-users such as aerospace companies, industrial manufacturers, or consumers. The key feedstock used in the manufacturing of fluoropolymers is fluorspar, hydrogen fluoride, hydrogen sulfide, ethylene, and fluorocarbons. The supply of these key raw materials has been affected by both supply constraints and manufacturing cost. For instance, fluorspar is a naturally occurring mineral, used in a multitude of industries ranging from metallurgy, ceramics, glass, aluminum, and fluoropolymers. So, its manufacturers have to compete with other industries to ensure smooth supply of fluorspar. Fluoropolymers exist in many forms and based on their formulation and function, these can be segmented into PTFE, PVDF,

FEP, and others.

The application of fluoropolymers is increasingly becoming popular due to the performance advantage these materials offer. These possess an excellent combination of physical and chemical properties, comprising excellent chemical resistance, high temperature stability, and good dielectric properties. These polymers are widely used in many industrial fields under severe conditions. The non-stick properties resulting from their low surface energies are well-known and used in numerous applications. Owing to their special properties and relatively low production volume when compared with engineering resins, their prices are relatively high.

The major opportunities in the fluoropolymers market lies in its increasing demand in industrial maintenance sector particularly due to their chemical and oil resistance property. With the increasing need for protection from UV exposure, use of fluoropolymers in additives is being practiced increasingly. In this case, the major driving force for fluoropolymers is the realization that these products can increase the life cycle of exterior coatings and subsequently increase the time between recoats. This complements the products and also reduces the costs of infrastructure management by eliminating the number of recoats

The fluoropolymers market is expected to grow at a CAGR of 5.2%, in terms of volume, over the next five years to reach 380.2 KT by 2019. Asia-Pacific, with its thriving economies and rapidly expanding population, is expected to experience the fastest growth rate between 2014 and 2019.

Scope of the report

On the basis of region:

North America

U.S.

Canada

Mexico

Europe

Germany

U.K.

France

Russia

Asia-Pacific

China

Japan

India

Rest of the World

Middle East & Africa

South America

On the basis of application:

Automotive and Transportation

Electrical and Electronics

Chemical Processing

Industrial Equipment

On the basis of types:

Polytetrafluoroethylene (PTFE)

Polyvinylidene Fluoride (PVDF)

Fluorinated Ethylene Propylene (FEP)

Fluoroelastomers

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About

The report "Fluoropolymer Market by Type (PTFE, PVDF, FEP, and Fluoroelastomers), by Application (Automotive & Transportation, Electrical & Electronics, Chemical Processing, and Industrial Equipment) - Global Industry Trends & Forecasts to 2019", defines and segments the global fluoropolymers market with analysis and forecasting of volume consumed and value generated. The fluoropolymers consumption is projected to grow from 294.6 KT in 2014 to 380.2 KT by 2019, at a CAGR of 5.2% during the same period.

The global fluoropolymers market in terms of revenue is projected to reach \$8,816.4 million by 2019, at a CAGR of 6.2% during the period under study. The report also defines driving and restraining factors for the global fluoropolymers market with the analysis of trends, opportunities, burning issues, winning imperatives, and challenges. Some of the drivers include growing key end-user industries, Strong demand for fluoropolymers in Asia-Pacific. It is experiencing vast growth, in Asia-Pacific region, due to the increased demand of fluoropolymers in automotive & transportation as well as electrical & electronics sectors.

The market is forecasted on the basis of major regions, such as North America, Europe, Asia-Pacific, and Rest of the World both by value and volume. The regional fluoropolymers market is further segmented on the basis of major applications.

The Asia-Pacific region is the world's largest market for fluoropolymers in 2013. China is the key consumer of fluoropolymers in Asia-Pacific. Various mergers & acquisitions, and expansions in fluoropolymers industry have in turn made the region a potential growth sector for the market.

Expansion and new product development are the major growth strategies adopted by industry players. Most of the companies are engaged in expanding their existing facilities or are introducing novel products into the market by new product development.

The report forecasts the value of the global fluoropolymers market and its various sub-markets with respect to main regions namely, Asia-Pacific, Europe, North America, and Rest of the World.

The report segments the global fluoropolymers market by their types and their end use applications.

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