

Flame Retardant Plastics Market Industry Analysis 2020 – 2027 | Covestro AG, DuPont, SABIC, Borealis AG, Olin, BASF SE

Growing demand for flame retardant plastic from the aerospace & defense sector is one of the significant factors influencing the market growth.

VANCOUVER, BC, CANADA, August 30, 2022 /EINPresswire.com/ -- According to a recent report by Emergen Research, the global for [flame retardant plastics market](#) is expected to be valued USD 61.87 billion by 2027. The market for flame-retardant polymers is seeing strong demand, which may be due to the expanding

demand from the aerospace and defence industries. The development of improved safety measures for on-flight passengers, crew, and valuables is required due to an increase in flight hours. By using an appropriate flame retardant plastic in the design and manufacture of an aircraft and interior furnishings, fire dangers in an aircraft—a major contributing factor in aircraft

accidents—may be avoided. In addition, using flame retardant plastic makes the aircraft lighter and uses less fuel, increasing mileage.



Flame Retardant Plastics Market Size – USD 45.73 Billion in 2019, Market Growth - CAGR of 3.8%, Market Trends –Rising demand for thermoplastic to reduce carbon emission”
Emergen Research

In the event of a fire, specifically formulated plastics known as flame-retardant thermoplastics are employed in applications that call for low flame and smoke. These polymers must adhere to the requirements outlined in the regulations and are governed by a number of laws. To create new and improved grades of flame retardant thermoplastics, ongoing research and development

operations are conducted. By establishing strict criteria, the aviation industry has transformed the market for flame retardant thermoplastics. Thermoplastics come in a variety of flame-retardant grades and are frequently combined with fibreglass.



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Opportunities: Rising demand for consumer electronics worldwide

Electronic products utilise flame retardants to adhere to flammability regulations. They are utilised because they are compatible with electronics, blend well, have a high flame resistance, and have superior electrical insulating properties. Halogenated flame retardants, which were previously used, are harmful. These fire retardants leak halogen, which can be exceedingly harmful, into the environment when electronic items come into contact with fire. As a result, businesses are embracing more eco-friendly and secure alternatives, like halogen-free flame retardants. The main drivers of the electronics industry's explosive expansion worldwide are the widespread use of technology and the rapidly expanding middle class.

Further key findings from the report suggest

The carbon fiber reinforced polymers find substantial consumption of flame retardants due to its extensive usage in the production of aircraft components such as the cockpit, tanks, bulkheads, payload fairing, wing-body fairing, seat components, and doors.

Europe contributed to the second-largest market share in 2019 due to the increasing application of flame retardant plastics in the aerospace and automotive sector, along with a rise in the number of construction projects in Eastern Europe. Besides, stringent legislative regulation for the use of environmental-friendly flame retardant materials is causative of the market growth in the region.

Brominated flame retardants is the largest type for flame retardants market for engineering resins market in 2020

There are several uses for brominated chemicals across numerous sectors. Flame retardants made of bromine hinder the chemistry of combustion. They make things less flammable. These mostly consist of organobromine chemicals and are best used with plastics including PA, ABS, PBT, PET, and PC. By interacting with the gaseous phase of the fire cycle and putting an end to the chemical chain reaction, bromine puts out fire. The flame retardant has two effects: either it stops the fire from igniting or it drastically slows it down. They are added to materials like plastics and do not change the underlying material's qualities. They are employed in end-use applications such textiles, electronics, construction materials, plastics, and foams and are particularly effective flame retardants.

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The report further offers a complete value chain analysis along with an analysis of the downstream buyers and upstream raw materials. The study focuses on global trends, regulatory

frameworks, and macro- and micro-economic factors. The report also provides an extensive analysis of the segment and sub-segmented expected to dominate the market over the projected period.

Top competitors of the Flame Retardant Plastics Market profiled in the report include: Key participants include Covestro AG, DuPont, SABIC, Borealis AG, Huntsman Corporation, Olin Corporation, BASF SE, LyondellBasell, Showa Denko AA, and HEXION Inc., among others.

Emergen Research has segmented the global flame retardant plastic market on the basis of material type, polymer group, application, and region:

Polymer Type Outlook (Revenue, USD Billion; 2017-2027)

Polyvinyl Chloride

Polyolefin

Polyurethane

Acrylonitrile Butadiene Styrene

Polycarbonate

Epoxy

Polyester

Others

Polymer Group Outlook (Revenue, USD Billion; 2017-2027)

Thermoset

Thermoplastic

Application Outlook (Revenue, USD Billion; 2017-2027)

Aerospace & Defense

Electrical & Electronics

Wire & Cable

Pipe & Tank

Transportation

Building & Construction

Marine

Others

Regional Analysis of the Flame Retardant Plastics Market :

North America (U.S., Canada)

Europe (U.K., Italy, Germany, France, Rest of EU)

Asia Pacific (India, Japan, China, South Korea, Australia, Rest of APAC)

Latin America (Chile, Brazil, Argentina, Rest of Latin America)

Middle East & Africa (Saudi Arabia, U.A.E., South Africa, Rest of MEA)

To know more about the report, visit @ <https://www.emergenresearch.com/industry-report/flame-retardant-plastics-market>

Key Objectives of the Report:

Analysis and estimation of the Flame Retardant Plastics Market size and share for the projected period of 2020-2027

Extensive analysis of the key players of the market by SWOT analysis and Porter's Five Forces analysis to impart a clear understanding of the competitive landscape

Study of current and emerging trends, restraints, drivers, opportunities, challenges, growth prospects, and risks of the global Flame Retardant Plastics Market

Analysis of the growth prospects for the stakeholders and investors through the study of the promising segments

Strategic recommendations to the established players and new entrants to capitalize on the emerging growth opportunities

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