

Europe Form-In-Place Gasket Market Forecast to 2030 - Regional Analysis - by Application (Marine, Automotive, Electrical and Electronics, Aerospace, Lighting, and Others)

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Abstracts

The Europe form-in-place gasket market is expected to grow from US\$ 284.87 million in 2022 to US\$ 379.59 million by 2030. It is estimated to record a CAGR of 3.7% from 2022 to 2030.

Adoption of Form-In-Place Gaskets in Aerospace Applications Drives Europe Form-In-Place Gasket Market

The aerospace industry plays a pivotal role in driving the demand for form-in-place gaskets due to several key factors. Firstly, the stringent performance requirements in aerospace applications necessitate the use of highly reliable sealing solutions to maintain the integrity of critical components and systems. Form-in-place gaskets offer precise sealing capabilities, conforming to complex geometrics and irregular surfaces often found in aerospace equipment, thus ensuring optimal performance and safety. Secondly, the lightweight and compact nature of form-in-place gaskets aligns well with the aerospace industry's emphasis on weight reduction and space optimization, contributing to overall efficiency and fuel savings. Moreover, the ability of form-in-place gaskets to withstand extreme temperatures, pressures, and environmental conditions makes them ideal for use in aerospace applications where reliability is paramount. These gaskets also provide resistance to chemicals, fuels, and other fluids commonly encountered in aerospace operations, further enhancing their suitability for the industry. Overall, the aerospace sector's demand for high-performance, lightweight, and reliable sealing solutions continues to fuel the adoption of form-in-place-gaskets in various aircraft and spacecraft applications. France is the home to five major aircraft

manufacturers-Airbus SE (large commercial and military aircraft, drones, and spacecraft), Airbus Helicopters SAS, Dassault Aviation SA (high-end business jets, fighter aircraft, and UAVs), ATR (passenger and cargo turboprop aircraft for regional transport), and Daher (TBM and Kodiak light aircraft and business turboprops). According to the International Trade Administration (ITA), France has full-range military production capabilities, including fighter jets, nuclear submarines, aircraft carriers, and ballistic missile production. Therefore, advancements in aerospace technologies are expected to create lucrative opportunities for the adoption of form-in-place gaskets.

Europe Form-In-Place Gasket Market Overview

The burgeoning semiconductor industry significantly drives the demand for form-in-place gaskets in Europe. As technology advances, there is a growing reliance on sophisticated electronic components and microelectronics in various applications, ranging from consumer electronics to industrial machinery. The semiconductor manufacturing process involves intricate and delicate components that require precise sealing to get protection against environmental contaminants such as dust, moisture, and chemicals. Form-in-place gaskets offer a tailored and accurate sealing solution that is crucial in safeguarding the integrity and functionality of semiconductor devices. In April 2023, the European Council and the European Parliament agreed to invest US\$ 3.6 billion in European Union funds to attract a further US\$ 43.7 billion in private investment to build Europe's semiconductor manufacturing capabilities. Like the US, the fast-changing semiconductor marketplace in Europe is growing as governments worldwide increasingly adopt restrictive policies on importing and using chips from overseas. The push toward miniaturization in the electronics industry necessitates sealing solutions that can adapt to the shrinking dimensions of modern devices. Form-in-place gaskets excel in this context, offering a precise application process that ensures effective sealing even in the tightest spaces. This characteristic is crucial in meeting the design requirements of smaller and more advanced electronic gadgets. The automobile industry is one of the most rapidly growing and most important industries in the European economy. According to the European Commission, Europe is the largest manufacturer of motor vehicles worldwide. The automobile industry directly and indirectly employs 13.8 million people, resulting in 6.1% of overall employment in the European Union (EU). According to the International Organization of Motor Vehicle Manufacturers (OICA), the EU produced 16.2 million vehicles in 2022. The region's automotive industry is undergoing a transformative shift toward electric and hybrid vehicles as part of broader efforts to reduce carbon emissions and combat climate change. The intricate and specialized components of electric vehicles and the need for robust sealing solutions in battery enclosures and powertrain systems have driven the

adoption of form-in-place gaskets due to their ability to provide precise, custom seals. All these factors are expected to drive the demand for form-in-place gaskets in Europe.

Europe Form-In-Place Gasket Market Revenue and Forecast to 2030 (US\$ Million)

Europe Form-In-Place Gasket Market Segmentation

The Europe form-in-place gasket market is segmented into application and country.

Based on application, the Europe form-in-place gasket market is segmented into marine, automotive, electrical and electronics, aerospace, lighting, and others. The electrical and electronics segment held the largest share of the Europe form-in-place gasket market in 2022.

Based on country, the Europe form-in-place gasket market is segmented into Germany, France, Italy, the UK, Russia, and the Rest of Europe. The Rest of Europe dominated the Europe form-in-place gasket market in 2022.

3M Co, Henkel AG & Co KGaA, Parker Hannifin Corp, Dow Inc, Compagnie de Saint Gobain SA, Permabond LLC, Bostik SA, HB Fuller Co, and ITW Performance Polymers are some of the leading companies operating in the Europe form-in-place gasket market.

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