

## Freudenberg Launches Expansion Into PTFE Aerospace Seal Production

**Paris (France), June 19, 2017. With a focus on growing its product portfolio, Freudenberg Sealing Technologies will introduce a new line of polytetrafluoroethylene (PTFE) seals to aerospace customers at the 2017 International Paris Air Show, June 19 to 25.**

The new PTFE seals round out the selection of aerospace component solutions that have been designed to meet exacting industry requirements. They leverage Freudenberg's material and manufacturing expertise in offering aerospace customers access to standard and engineered components for a wide range of applications.

"Freudenberg is an award-winning aerospace supplier and, given our broad capabilities in manufacturing PTFE seals for other industries, it was a natural step for us to offer PTFE seals to aerospace customers," said Sean Morgan, Global Aerospace Segment Director. "PTFE seals from Freudenberg will help our customers streamline their engineering and purchasing decisions. They enhance our service to aerospace customers and bring additional value to their hydraulic applications."

PTFE is widely used in applications where fluid compatibility and friction are of the utmost importance under low and high temperature conditions. It is especially useful in aerospace applications where temperature extremes, contact pressures and leakage control are crucial to the safe and efficient operation of an aircraft.

Freudenberg has supplied high-quality standard and specialty PTFE seals to fluid power, heavy industry, automotive and other markets for decades. By leveraging the material and testing expertise used in these industries, the company now offers aerospace customers standard PTFE back-up rings and engineered seals such as Omegat rod and piston seals, single and double acting scrapers, and spring energized U-cups.

The seals will be manufactured at the company's Troy, Ohio, production facility and with the availability of an extensive array of rod and tube sizes covering a variety of product designs, Freudenberg is able to produce a broad range of PTFE solutions. The company formulates its own PTFE compounds to meet

exacting material, design and production standards and also offers elastomeric aerospace materials to function in a range of applications including engines, gear boxes, flight controls, landing gear, wheels and brakes and airframes.

Freudenberg will display a variety of aerospace sealing solutions at its booth in Hall 5, #D266. In addition to PTFE seals, Freudenberg will showcase:

- O-Rings
- Plate seals and gaskets
- Diaphragms
- Simmerring® radial shaft seals
- Fire-resistant/fire-proof seals
- Aerodynamic seals
- Electrical grommets
- Self-fusing silicone tape
- Elastomeric shrouding and ducting.

“As a global leader in engineered sealing solutions, Freudenberg is considered an important development partner to the aerospace industry,” Morgan noted.

“Our entry into the production of PTFE seals for aerospace applications demonstrates our commitment to further meeting the needs of our customers with new innovations, state-of-the-art technology and unsurpassed Freudenberg quality.

**Press images:** *Freudenberg\_PTFE\_OMEGATSeal.tiff*

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**About Freudenberg Sealing Technologies**

As the leading specialist in sealing applications and their markets, Freudenberg Sealing Technologies (FST) is a supplier as well as a development and service partner serving customers in a wide variety of sectors including the automotive industry, civil aviation, mechanical engineering, shipbuilding, the food and pharmaceuticals industries, and agricultural and construction machinery. In 2016, FST generated sales of about €2.3 billion and employed more than 15,000 people. Freudenberg-NOK Sealing Technologies runs the business operations for FST in the Americas. The company is headquartered in Plymouth, Mich. and operates more than 20 facilities across the Americas. For additional information, please visit [www.fst.com](http://www.fst.com).