

For example a piece of **ZOTEK F 38 HT** measuring 100 x 100 x 15mm **weighs the same as a US quarter**, around 5.7grams



### AZOTE®

Zotefoams offers a range of specialist materials that have been developed specifically for the aviation industry. In addition to ZOTEK F, Zotefoams also produces AZOTE® polyolefin foam which has been used in aviation for decades, with applications ranging from seat cushioning to galley insulation.

Recent tests show that an 18 or 24kg/m<sup>3</sup> AZOTE polyolefin foam sheet can outperform a 30 kg/m<sup>3</sup> competitor foam, offering weight savings as well as reducing polymer content. This reduces the volume of material entering the supply chain, and in turn, the reduction in vehicle weight increases fuel efficiency and lowers lifetime CO<sup>2</sup> emissions.



ZOTEFOAMS +

TAKING FLIGHT™  
Technifab

Find out more

[www.zotefoams.com](http://www.zotefoams.com) / [zotek@zotefoams.com](mailto:zotek@zotefoams.com)

[www.technifabinc.com](http://www.technifabinc.com) / [sales@technifabinc.com](mailto:sales@technifabinc.com)

Partnership  
Case study



ZOTEFOAMS +

TAKING FLIGHT™  
Technifab

Partners for more than 20 years, Technifab uses Zotefoams' unique material to manufacture innovative products that reduce the carbon footprint of the aviation industry.



## Partners in innovation



Zotefoams has been producing foams for the aviation industry for over 80 years, initially using rubber, then polyolefins and more recently, engineering a range of technically sophisticated foams. Throughout this time, it has partnered with converters which share the desire to improve sustainability of the industry, by making improvements to save weight and reduce fuel burn.

Technifab is an industry pioneer in build-to-print contract manufacturing and applies its aerospace domain knowledge toward the development of custom-built solutions that meet exacting requirements for air and space flight.

### Manufacturing Zotefoams' unique materials

Zotefoams' proprietary manufacturing method produces uniquely pure and durable foams that offer performance equivalent to significantly more dense foams made using chemical foaming agents, this enables a considerable reduction in the polymer content of materials used.

ZOTEK® F high-performance foam is the material of choice for multiple applications in aviation, the material

is inherently inert and UV-resistant and has excellent fire, smoke and toxicity (FST), and heat release properties, essential for an industry where safety is paramount. ZOTEK F is an extraordinarily versatile material which is extremely durable, with a lifespan matching that of commercial aircraft.



## Innovating with foam

The Technifab team brings deep aerospace knowledge to develop custom-built solutions that meet the stringent requirements for aviation. Using manufacturing processes such as compression molding, thermoforming, and vacuum forming, Technifab transforms Zotefoams' ZOTEK F into innovative and complex components that help OEMs achieve their weight reduction goals. Technifab's products also improve overall engineering and manufacturing costs, reduce fuel consumption, and support sustainability goals to achieve net zero carbon emissions by 2050 due to their lighter weight.

\*Weight savings of up to **65%**  
\*versus traditional materials



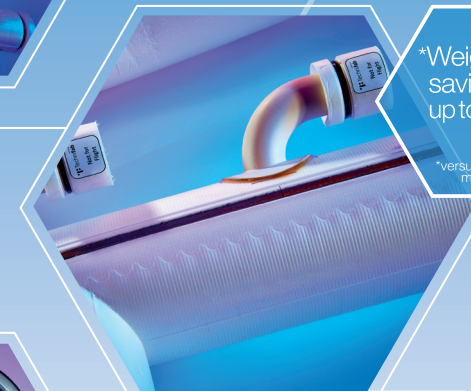
### Flex Hoses ZOTEK F 30

replaces silicone

Benefits: weight reduction, thermoformable, inherently flame retardant and water resistant. Improved ergonomics during installation

### ECS Ducting

**ZOTEK F 38 HT** and higher grades replaces silicone or thermoplastic composites  
Benefits: weight reduction, thermoformable, inherently flame retardant and water resistant



\*Weight savings of up to **40%**  
\*versus traditional materials

Window seals are up to **1.2 lbs** lighter  
\*versus traditional materials



### Window Seals

**ZOTEK F 30** and higher grades replaces silicone  
Benefits: weight reduction, thermoformable, inherently flame retardant and water resistant