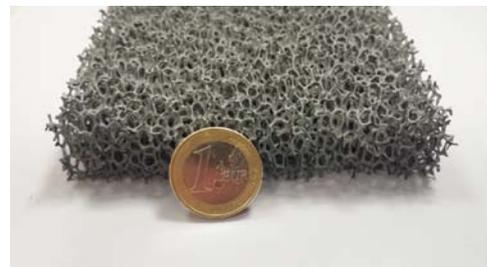


## Zinc Foam With Cost-Saving Feature

**Huntingdon ... 11 March 2014 ...** Goodfellow has announced the availability of two variants of zinc foam:

1. 99.99% zinc deposited on a polyurethane foam
2. ZAMAK 410 Zn /Al4/Cu1/Mg0.04 zinc alloy foam with solid ligaments

Both combine the versatile properties of zinc or its alloy with the functional benefits of a foam. This combination is expected to be of particular interest to design engineers working in the fields of heat exchangers, catalyst substrates, energy absorbers, filters and mixers.



*Zinc foam from Goodfellow*

The matrix of cells and ligaments in the foams is completely repeatable, regular and uniform throughout the material, yielding a rigid, highly porous and permeable structure with a controlled density of metal per unit volume. Zinc foam is available from Goodfellow in a standard pore size of 4 pores per centimetre (10 PPI), with a bulk density from  $0.17\text{g}\cdot\text{cm}^{-3}$  to  $0.33\text{g}\cdot\text{cm}^{-3}$ . However, other porosities and densities may be available upon request.

These zinc and zinc alloy foams provide:

- A range of strength-to-weight ratios
- High surface area-to-volume ratio
- Isotropic load response
- Controlled stress-strain characteristics
- A choice of prices and performance, thanks to manufacturing that uses a range of production processes to optimise cost savings

**For more information** about our metal foams, call Goodfellow on +44 1480 424 800, email [info@goodfellow.com](mailto:info@goodfellow.com) or go to <http://www.goodfellow.com/E/Foam.html>.

*Goodfellow is a leading supplier of metals, polymers, ceramics and other materials to meet the needs of science and industry worldwide. The company specialises in supplying small quantities (a few grammes to a few kilos) of metals and materials for research, prototype development and specialised manufacturing applications. Standard products can be found online at the comprehensive Goodfellow Catalogue ([www.goodfellow.com](http://www.goodfellow.com)). In addition, Goodfellow is often able to supply larger quantities of metals and materials or items manufactured to specific requirements.*

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