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.

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 0.17g.cm\(^{-3}\) to 0.33g.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 or go to [http://www.goodfellow.com/E/Foam.html](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). In addition, Goodfellow is often able to supply larger quantities of metals and materials or items manufactured to specific requirements.