Corapolis, PA ... November 15, 2012 ... Goodfellow, an international supplier of metals and materials for research and industry, has announced the availability of a unique, cost-effective aluminum foam that offers superior heat exchange and impact absorption for a wide range of applications.

The foam is made by sand casting, which allows the exact form of the foam to be determined before its manufacture. The result is a foam of stacked 10mm cells – evenly spaced, open pores, with each manufactured piece identical to and having exactly the same behavior as other pieces from the same casting process.

Advantages of the new foam are focused in two main areas. In heat exchange, the high porosity (80-90%) and very high relative surface area of up to 500 m²/m³ facilitate the movement of fluids and the recovery of heat, even at low speeds. For impact absorption, a regular, reproducible aluminum foam product can be designed with the end use in mind, making it possible to optimize the exact structure necessary to absorb the energy from an impact based on a specific application.

Goodfellow offers standard sheets of 40mm x 100mm x 172mm with a cell size of 10mm and one surface clad in a solid aluminum sheet. It is possible to specify other sizes or foams without a solid cladding on one surface. For more information, go to www.goodfellow.com or email info@goodfellow.com.

About Goodfellow
For more 45 years, the Goodfellow name has been synonymous with small quantities of high-quality metals, polymers, ceramics and other materials that meet the research, development, and specialized production requirements of science and industry worldwide. Goodfellow Cambridge Ltd. is part of the Goodfellow Group of Companies, which also includes Goodfellow Corporation, Goodfellow SARL, Goodfellow GmbH, and the Shanghai Representative Office of Goodfellow Cambridge Ltd.