



UAA Professional Development Seminar Series

Foam Forming

Presented by: Dr. Tuomo Hjelt,
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ABSTRACT: Aqueous foam can be used as a transfer medium to form lightweight materials from natural and man-made fibers together with other types of raw materials. This presentation explains mechanisms that underlie the forming process and thus influence physical properties of formed fiber networks such as microporous structure, strength behavior, and transport properties. Homogeneous fiber materials can be formed from versatile raw materials, which makes the technology suitable for a vast range of product applications. Examples of them are presented in this presentation.

BIO: Senior scientist, Dr. Tuomo Hjelt (Author ID: 23396424500, h-index 11) specializes in developing foam-based processes and products for the industry. He has extensive knowledge of the physics and structure of foams, fiber foams and cellulose fiber based products. Hjelt was a visiting scientist at Trinity College Dublin in Prof. Hutzler's foam physics group for six months in 2012 – 2013. He holds over 10 patents.

Friday, January 19, 2024

11:45 am - 12:45 pm

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