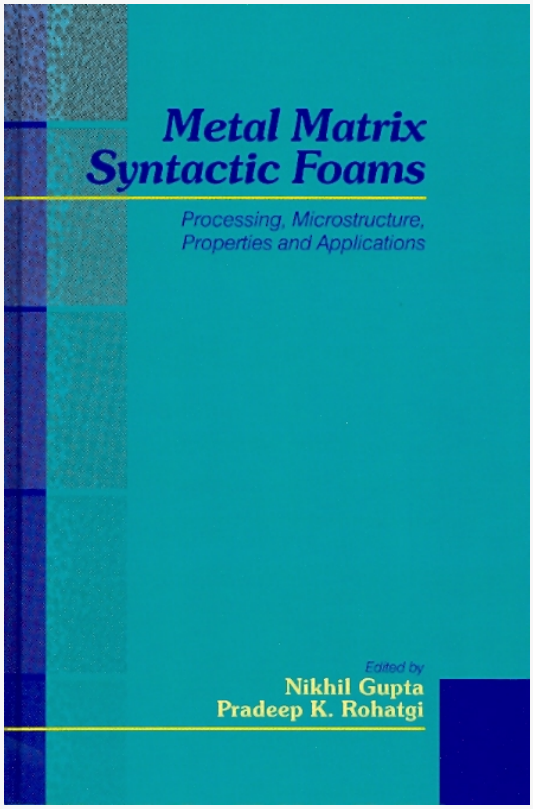
New Book on Metal Matrix Syntactic Foams

This book is a complete guide for Lightweight metal-type foams for materials, engineering, modeling and processing of novel syntactic material



New Book on Syntactic Foams

LANCASTER, PA, USA, May 6, 2015 /EINPresswire.com/ -- Metal Matrix Syntactic Foams:Processing, Microstructure, Properties and Applications, edited by Nikhil Gupta, New York University, Polytechnic School of Engineering and Pradeep K. Rohatgi, University of Wisconsin-Milwaukee, focuses on a new type of material, and investigates the elements, synthesis and practical applications of metal matrix syntactic foams, which share properties of foams and metal matrix composites. The text reviews how syntactic foams are synthesized from different types of hollow particles and metal matrices. Part one explains processing techniques such as solidification and powder metallurgy and discusses foams made from a variety of matrix metals. Part two compares different syntactic foams based on density and strain rate. Original experimental data and modeling information are provided that show how metal matrix syntactic foams can be used for lighter weight components in vehicles, as well as for sensors and biomaterials.

Metal Matrix Syntactic Foams: Processing, Microstructure, Properties and Applications is published by DEStech Publications, Inc., best known for advanced publications in engineering and science.
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> This book is a collection,from researchers
> who have made contributions to this field,
> is intended to present the current state of science and technology related
> to metal matrix syntactic foams
>
> *Nikhil Gupta*

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