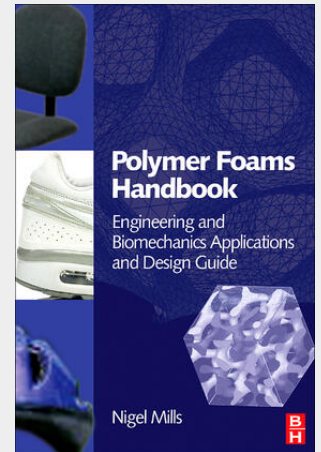


Mills

Polymer Foams Handbook

Engineering and Biomechanics Applications and Design Guide

This handbook explores the applications of polymer foams, and the properties that make them suitable for so many applications, in the detail required by postgraduate students, researchers and the many industrial engineers and designers who work with polymer foam in industry. It covers the mechanical properties of foams and foam microstructure, processing of foams, mechanical testing and analysis (using Finite element analysis). In addition, it uniquely offers a broader perspective on the actual engineering of foams and foam based (or foam including) products by including nine detailed case studies which firmly plant the theory of the book in a real world context, making it ideal for both polymer engineers and chemists and mechanical engineers and product designers.



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