

**An Introduction to the
MECHANICAL
PROPERTIES
OF
SOLID
POLYMERS**

**I. M. Ward
D. W. Hadley**



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An Introduction To The Mechanical Properties Of Solid Polymers

G. H. Michler, F. J. Baltá-Calleja



An Introduction To The Mechanical Properties Of Solid Polymers:

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like state and describes aspects of linear viscoelastic behaviour its measurement and experimental studies Later chapters cover composites and experimental behaviour relaxation transitions stress and yielding The book concludes with a discussion of breaking phenomena

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Mechanical Properties and Testing of Polymers G.M. Swallowe, 2013-04-17 This volume represents a continuation of the Polymer Science and Technology series edited by Dr D M Brewis and Professor D Briggs The theme of the series is the production of a number of stand alone volumes on various areas of polymer science and technology Each volume contains short articles by a variety of expert contributors outlining a particular topic and these articles are extensively cross referenced References to related topics included in the volume are indicated by bold text in the articles the bold text being the title of the relevant article At the end of each article there is a list of bibliographic references where interested readers can obtain further detailed information on the subject of the article This volume was produced at the invitation of Derek Brewis who asked me to edit a text which concentrated on the mechanical properties of polymers There are already many excellent books on the mechanical properties of polymers and a somewhat lesser number of volumes dealing with methods of

carrying out mechanical tests on polymers Some of these books are listed in Appendix 1 In this volume I have attempted to cover basic mechanical properties and test methods as well as the theory of polymer mechanical deformation and hope that the reader will find the approach useful Mechanical Properties of Polymers based on Nanostructure and Morphology G. H. Michler, F. J. Baltá-Calleja, 2016-04-19 The improvement of strength and durability in polymers has implications relevant to industrial medical and household applications Enhanced by the improved knowledge of the interactions between complex hierarchical structures and functional requirements Mechanical Properties of Polymers Based on Nanostructure and Morphology focuses on new polyme An Introduction to Polymer Physics David I. Bower, 2002-05-30 Publisher Description

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