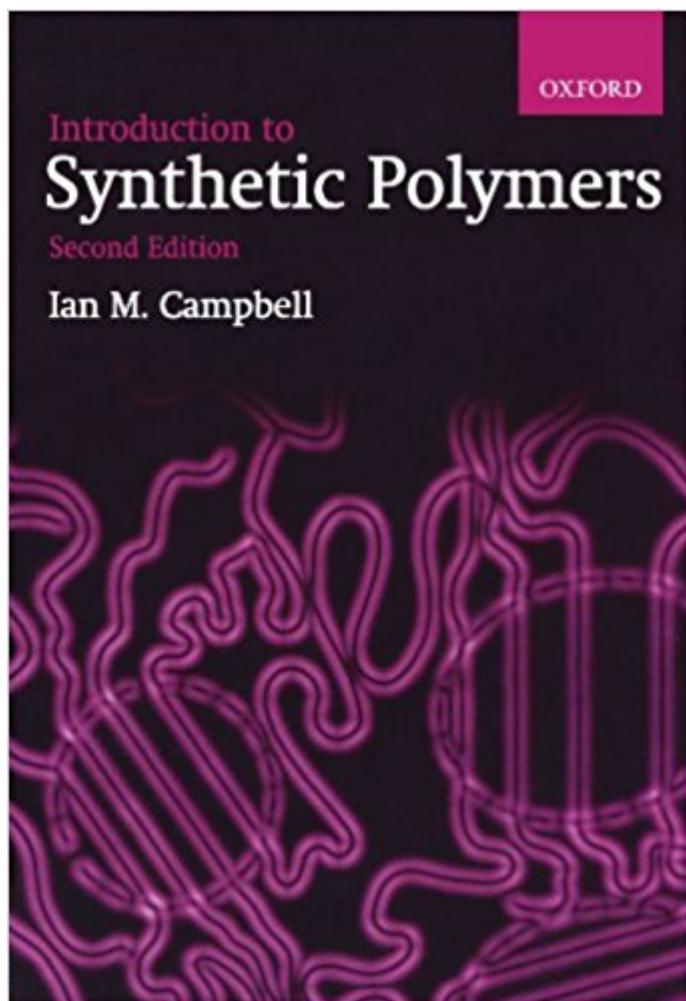


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Introduction To Synthetic Polymers



Synopsis

This clear and concise textbook introduces the huge field of polymer science to students taking degree courses in chemistry, materials science and related subjects covering polymers. By focusing on the few major polymers, for example polystyrene and PVC, which are in common use and which the students will recognize, the book illustrates simply the basic principles of polymer science. It looks at the factors which give rise to the special properties of polymers, and emphasizes how polymer molecules can be synthesised with different sizes and architectures to tailor the properties of the resulting material. The later chapters then introduce a wide range of polymers, some with special applications now and others with exciting potential for the future. There are exercises at the end of each chapter.

Book Information

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Customer Reviews

From the First Edition: "Anyone asked to devise an introductory course on polymer science could hardly do better than to base it on this book. Anyone currently giving such a course should certainly examine it with a view to making it a primary recommendation." -- Chemistry and Industry "In writing this book, Dr. Campbell has done a great service for the polymer science and chemistry communities and I will strongly recommend this text as a concise, yet comprehensive, introduction to Polymer Science." -- Professor Robert Lockhead, University of Southern Mississippi "...a very good conventional undergraduate text for a first course in polymer science...hard to beat for value." Times Higher Education Supplement "The book is particularly good in regard to lucid descriptions of

structural determination and the consequences of structural differences between polymers. The consequences of molecular weight, dispersity, branching and chirality area all made clear. . .Means of synthesis for controlling molecular weight and structure are discussed in an understandable way and applied to the polymers with which a student is likely to be familiar. In balance, the book appears quite suitable as a text for a one-semester introductory course in polymer chemistry/polymer science. The affordable price and good portability will be appreciated by many students. this also could serve as a useful book for scientists and technicians in industry who need a basic introduction to polymer science."--Polymer News

Ian M. Campbell is at University of Leeds.

The book's condition is very well. Good purchase!

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