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The Physics of Polymers: Concepts for Understanding Their ...

The Physics of Polymers: Concepts for Understanding their Structures and Behavior By Gert R. Strobl (Alber-Ludwigs University). Springer: New York. 1996. xi + 439 pp. \$39.95. ISBN 3-540-60768-4. H. Henning Kausch

The Physics of Polymers: Concepts for Understanding their ...

The physics of polymers: Concepts for understanding their structures and behavior, by Gert R. Strobl, Springer-Verlag, New York, 1996. ISBN 3-540-60768-4. David Hoagland. Corresponding Author. Department of Polymer Science and Engineering, University of Massachusetts Amherst, Amherst, Massachusetts 01003.

The physics of polymers: Concepts for understanding their ...

Polymer physics has been developed to allow a comprehensive description and analysis of the behavior and characteristics of single macromolecules, polymer solutions, and polymer materials over a period of more than a century. Recent findings enable a precise and unified picture but also aim at mastering an increasingly complex discipline.

Polymer Physics - an overview | ScienceDirect Topics

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The Physics of Electronic Polymers (PEP) | edX

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The Physics of Polymers | SpringerLink

de Gennes is one of the most eminent polymer physicists of our times, and this book is perhaps the most significant book in polymer physics. All books by this author are treasures of knowledge, concepts introduced in simple, yet elegant way. A must read for anyone who wishes to appreciate the structure and dynamics of polymeric materials!

Scaling Concepts in Polymer Physics: Gennes, Pierre-Gilles ...

Since the publication of the first edition of The Physics of Glassy Polymers there have been substantial developments in both the theory and application of polymer physics, and many new materials have been introduced. Furthermore, in this large and growing field of knowledge, glassy polymers are of particular interest because of their homogeneous structure, which is fundamentally simpler than ...

The Physics of Glassy Polymers - Google Livros

The structure of polymers, which are built from basic units of long chain macromolecules, differs very significantly from that of metals, the basic units of which are atoms and molecules. Most metals are polycrystalline materials while most polymers are amorphous, in which the chains are not arranged in a regular, ordered manner.

Concepts from Polymer Physics | Introduction to Plastics ...

The year 2020 marks 100 years since Hermann Staudinger first published the concept of polymerization. Macromolecular Chemistry and Physics is celebrating this anniversary with a special article collection entitled "Polymers for the Future". Scientists from academia and industry provide their views on the opportunities offered by advanced polymer systems in technology, biomedicine, and ...

Polymers for the Future: Macromolecular Chemistry and Physics

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