

Physicochemical Behavior And Supramolecular Organization Of Polymers

[DOWNLOAD HERE](#)

I. Polymer Solution Behavior. Polymer in Pure Solvent and in Mixed Solvent.- 1.1 Introduction. Solution Properties.- 1.2 Polymer Solutions in Good Solvents. Excluded-Volume effects.- 1.3 Theta Condition.- 1.4 Concentration Regimes.- 1.5 Critical Phenomena in Polymer Solutions.- 1.6 Polymers in Binary solvents. Cosolvency Effects. Preferential Adsorption phenomena.- 1.7 Thermodynamical Description. Association Equilibria Theory.- II. Viscoelastic Behavior of Polymers.- 2.1 Introduction.- 2.2 The Nature of Viscoelasticity.- 2.3 Mechanical Dynamical and Dielectric Relaxations.- 2.4 Molecular Theories.- 2.5 Viscoelastic Properties of Poly (methacrylates), Poly (itaconates) and Poly (carbonates).- III. Physicochemical Aspects of Polymer at Interfaces.- 3.1 Introduction.- 3.2 Langmuir monolayers and Langmuir-Blodgett Films.- 3.3 Amphiphilic block Copolymer Behavior.- 3.4 Polymer Adsorption from solution.- 3.5 Wettability and Contact Angles.- IV. Complex Polymeric Systems. Macromolecular Structures Organization. Design and Formation using Interfaces and Cyclic Molecules.- 4.1 Introduction.- 4.2 Inclusion Complexes between Polymers and Cyclic molecules. Surface Activity.- 4.3 Block Copolymers and dendronized Polymers at the Interfaces. Self Assembles Effect of Molecular Architectures. EAN/ISBN : 9781402093722 Publisher(s): Springer Netherlands Format: ePub/PDF Author(s): Ligia, Gargallo - Deodato, Radic

[DOWNLOAD HERE](#)

Similar manuals: