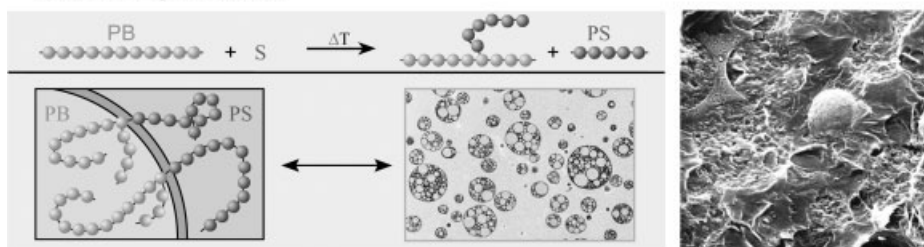
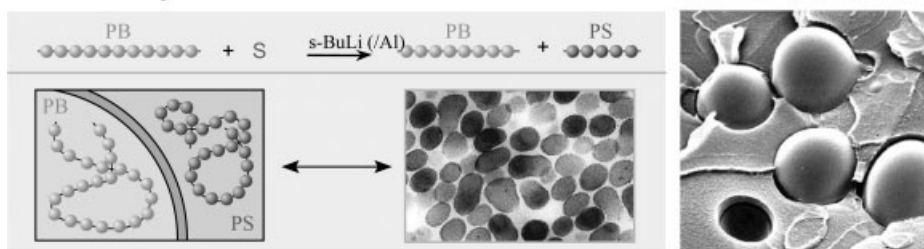


Radical Polymerization



Anionic Polymerization



Cover: The IUPAC Symposium on Ionic Polymerization (IP 2005) was held during October 23–28, 2005 in Goa, India. The technical program of the Symposium consisted of 52 oral presentations and 38 poster presentations. A total of about 150 participants from all over the world including USA, France, Germany, Poland, United Kingdom, Japan, South Korea, and India attended the Symposium. The elegance of the technique of ionic polymerization is the ability to synthesize polymers with well defined architectures without any side reactions. As the control of the polymerization becomes the motivation, atom-transfer radical polymerization, which has similar attributes of ionic polymerization and is a more recent addition to the armory of synthetic methods available to polymer chemists, was also included in the Symposium. Selected contributions presented at the Symposium have been compiled in this special volume of *Macromolecular Symposia* and are reflective of contemporary developments in the area of ionic polymerizations. The cover picture shows the rubber morphology from a standard homopolybutadiene prepared by radical polymerization and anionic polymerization, taken from the contribution by Ph. Desbois.