



## Polydiacetylenes

By Bloor, David / Chance, R. R.

Book Condition: New. Publisher/Verlag: Springer Netherlands | Synthesis, Structure and Electronic Properties | Proceedings of the NATO Advanced Research Workshop on Polydiacetylenes, Stratford-upon-Avon, U.K., September 12-17, 1984 | The polydiacetylenes are a class of polymers that are attracting increasing attention worldwide. There are many reasons for this interest one of the most important being the availability of many polydiacetylenes as macroscopic, high quality, single crystals. This fact was first reported in the pioneering work of Prof. G. Hegner on the solid-state polymerization of disubstituted diacetylenes in the late 1960s. Since then studies of the polymerization process and the properties of monomers and polymers have advanced understanding of solid-state reactivity and the physics of quasi-one-dimensional materials. More recently work on soluble polydiacetylenes, gels and films has been of interest for both academic and technological reasons. Progress in this area has required a combination of research disciplines ranging from synthetic organic chemistry to solid state physics. The interdisciplinary effort required for successful research in polydiacetylenes was reflected in the mix of chemists, physicists and materials scientists who attended the Workshop. The emerging potential for commercial applications of polydiacetylenes was also evident in the nearly equal participation of academic...



**READ ONLINE**  
[ 9.34 MB ]

### Reviews

*An incredibly wonderful book with perfect and lucid explanations. It normally is not going to price a lot of. I am just very happy to tell you that this is the greatest pdf we have go through within my personal lifestyle and could be the finest book for at any time.*

-- **Bart Lowe**

*This is basically the greatest pdf i actually have go through till now. It is definitely simplistic but surprises within the fifty percent in the ebook. I am easily will get a delight of studying a published ebook.*

-- **Hyman O'Conner III**