



## Polyolefins: Processing, Structure Development, and Properties (Hardback)

By James L White

Hanser Publications, Germany, 2005. Hardback. Condition: New. Language: English . Brand New Book. Polyolefins, the polymers synthesized from olefinic monomers, are the major commercial thermoplastics. They are also important elastomers and the components of major thermoplastic elastomers. Polyethylene and polypropylene in volume are the two largest thermoplastics and are fabricated into filaments, films, and moldings. For the first time, the reader will find a comprehensive description of the structuring of molten polyolefins in fiber, film and molding processes with correlation between structural order such as crystalline unit cell, polymorphic effect and orientation, and processing parameters. Contents: Origins of Polyolefins. Characterization Methods. Crystallography of Polyolefins. Single Crystals: Structural Hierarchy and Morphology. Spherulites and Quiescent Crystallization. Polyolefin Copolymers and Blends. Polymer Melt Processing, Rheological Properties, and Orientation in Flowing Polymer Melts. Melt Spinning. Film Processing and Profile Extrusion. Molding. Mechanical Properties of Polyolefins.



## Reviews

Thorough manual for ebook fans. it had been writtern quite properly and valuable. It is extremely difficult to leave it before concluding, once you begin to read the book.

## -- Dr. Catherine Wehner

Absolutely among the best book I have possibly go through. I have go through and that I am certain that I am going to gonna read through once again again in the future. I am just delighted to tell you that this is basically the finest book I have got go through within my personal existence and could be he finest book for ever.

-- Brian Bauch