DESCRIPTION

Syndiotactic Polystyrene (SPS), synthesized in a laboratory for the first time in 1985, has become commercialized in a very short time, with wide acceptance on the global plastics market. Written by leading experts from academia and industry from all over the world, *Syndiotactic Polystyrene* offers a comprehensive review of all aspects of SPS of interest to both science and industry, from preparation and properties to applications.

This essential reference to SPS covers:

- The preparation of syndiotactic polystyrene by half-metallocenes and other transition metal catalysts

- The structure and fundamental properties, especially morphology and crystallization and solution behavior

- The commercial process for SPS manufacturing
Properties, processing, and applications of syndiotactic polystyrenes

Polymers based on syndiotactic polystyrenes, for example, by functionalization and modification, and nanocomposites

Ideal for polymer chemists, physicists, plastics engineers, materials scientists, and all those dealing with plastics manufacturing and processing, this important resource provides the information one needs to compare, select, and integrate an appropriate materials solution for industrial use or research.

ABOUT THE AUTHOR

Jürgen Schellenberg studied chemistry at the Technical University "Carl Schorlemmer" Leuna-Merseburg where he obtained a PhD in polymer science. He has worked in the polystyrene department of the plastics R&D division of the Chemische Werke Buna in Schkopau and at Dow Central Germany, Schkopau, where he was involved in the start up and operation of the first commercial SPS plant worldwide. Dr. Schellenberg holds more than seventy patents and has published over forty-seven scientific papers including reviews.

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