



## Polyolefin: Synthesis, Properties, and Characterization

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### Message from the Guest Editor

Dear Colleague,

Due to the excellent performance and high cost effectiveness, polyolefin has become the most widely used engineering plastic in the world and remains the synthetic resin type with the largest capacity growth, especially in China. The continuous development of olefin polymerization catalysts, polymerization processes, and processing techniques has provided us with a large number of new polyolefin materials, and emerging industries continue to put forward new needs and requirements for polyolefin materials, which constantly promotes the development of polyolefin materials. Although the monomer unit structure of polyolefin is simple, the complexity of the polyolefin structure and the wide range of properties due to the regularity, branching, end-group structure, distribution of monomer units on the molecular chain, molecular weight distribution, etc., require constantly innovative methods to understand the microstructure and the structure of the aggregation state. It is hoped that researchers from academia and industry will work together to continuously promote the development of polyolefins and create a better future.





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