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Polymer Processing: Modeling and Correlations Finalized to Tailoring the Plastic Part Morphology and Properties

Guest Editors:

Prof. Dr. Giuseppe Titomanlio

Department of Industrial Engineering, University of Salerno, Fisciano (SA), Italy

Dr. Vito Speranza

Department of Industrial Engineering, University of Salerno, Fisciano (SA), Italy

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Message from the Guest Editors

The analysis of polymer processing operations is a very wide and complex subject; indeed, during polymer processing, viscoelastic fluids are forced to deform into desired geometries using non-homogeneous velocity and temperature fields down to solidification.

Depending on the operating conditions, the properties of the final part can change even more than one order of magnitude.

The aim of this Special Issue is to select progresses or reviews in the understanding/description of the phenomena involved along the chain: Processing–morphology–properties.

Keywords

- polymer processing
- modeling morphology evolution
- morphology of polymeric parts in relation to their processing
- morphology-properties relationships of polymeric parts
- polymeric part properties





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Editor-in-Chief

Prof. Dr. Maryam Tabrizian

1. Department of Biomedical Engineering, Faculty of Medicine and Health Sciences, McGill University, Montreal, QC H3A 2B6, Canada

2. Faculty of Dentistry and Oral Health Sciences, McGill University, 3640 Rue University, Montreal, QC H3A 0C7, Canada

Message from the Editor-in-Chief

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Materials Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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