

## Special features of injection-molding processing of biopolymers

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Abstract: Injection molding is one of the most commonly used methods of polymer processing. From miniature components up to big plastic moldings can be produced quickly, in large quantities and cost-effectively.

The presentation deals with the question, if there are special requirements on injection molding processing of biopolymers – and if so, what kind of features has to be announced?

The first point to clarify is: What kind of biopolymer should be processed - (bio-)degradable or natural fibre reinforced material? On the examples of selected biopolymers there are shown the most important differences between processing of biopolymers and synthetic polymers and how the screw geometry influences the processing and the component properties.

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