

Abstract

The bioplastics market and technologies for their production

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Abstract: Biopolymers are gaining more and more interest and global production capacities are increasing. But what is a biopolymer? Does it have to be biobased and biodegradable or only partially biobased. What is the market share of biopolymers and what is the outlook for further expansions.

The presentation focuses on these questions and tries to give an overview over global production capacities, both installed and planned. A second focus will be on the technologies available to produce biopolymers - especially those processes offered by Uhde Inventa-Fischer (UIF).

UIF offers sustainable technologies that combine engineering expertise, specialist know-how of polymers and applied experience in a wide range of industrial applications worldwide.

On the basis of our proven processes to produce commodity polymers UIF has developed new technologies for the production of biobased and/or biodegradable polymers, as for example PBS, an aliphatic polyester synthesised from succinic acid and butanediol, PBAT or PEF, a polyester with outstanding properties, based on 2,5-furan dicarboxylic acid and of Polylactic Acid.

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