

Abstract

Bio-Compound with biodegradable glass fibre for a wide range of applications

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Abstract: The 2014 founded finish start-up Arctic Biomaterials developed a reinforced bioplastic without any compromises. The unique feature of the innovation is a biodegradable glass fibre, that makes the biopolymers of the company ready for a wide range of applications like packaging, technical parts and prospective - medical implants, too. The BIOPOLYMER Innovation Award jury awarded the ArcBiox compostable plastics with degradable glass fibre with the 3rd Prize.



But how can the glass fibre have the same characteristics as technical E-glass fibre and be degradable by microbes and enzymes? What mechanical properties are achievable with these special composites? And why are extra short cycle times possible in ejection molding processes? Mika Hurri, sales manager of Arctic Biomaterials, knows the answers.

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