

Abstract :

A biologically degradable polymer mixture is proposed which consists essentially of starch and at least one hydrophobic polymer. The hydrophobic polymer in this connection is to be at least substantially biologically degradable and thermoplastically processable and the mixture with the starch is to include a polymer phase mediator or a macromolecular dispersing agent so that the starch is present in the mixture as disperse phase with the hydrophobic polymer as continuous phase, and the phase mediator or the dispersing agent is responsible for the molecular coupling of the two phases. As starch there is preferably used thermoplastic starch which has been prepared substantially with the exclusion of water by means of sorbitol or glycerol. The production of the biologically degradable polymer mixture is also carried out substantially with the exclusion of water.

This Sheet Has Been Replaced

