

Title Progress on the biodegradable modification starch-based film
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Abstract

With plastics resistance to degradation in nature and lack of effective recycling practice, it has been led to a serious treat to the environment. Concerns about the environmental pollution caused by plastics have led to attempts on the part of researchers and industries to develop biodegradable plastics by incorporating degradable components such as starch or protein. This essay gives a general overview on the chemical composition and structure of starch. The effect of different types of starch on the properties of films was discussed. The modified methods of the biodegradable starch films was reviewed, which including high temperature and high pressure physical treatment, mechanical smash treatment, modified by plasticizer, oxidation, cross-linking agent modification, esterification, etherification and filling modification. And the prospects of its future are also related.