

Developing water resistant starch polymers

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This paper will summarise the development of water resistant starch polymers, that are aimed to enable starch polymers to be able to be used in wider-ranging application areas. Specifically this work will examine the importance of formulation development, optimising extrusion processing in formulation development and the importance of understanding related fundamental structure-property-degradation relationships in parallel with this development. It is anticipated a water resistant, fully biodegradable range of starch polymers will widen the final product application areas for these polymers.