

MELT PROCESSABLE STARCH COMPOSITIONS

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The present invention relates to a starch composition comprising starch, a polymer that
10 is substantially compatible with starch and has a weight-average molecular weight of at least
500,000 such that the polymer forms effective entanglements or associations with neighboring
starch molecules, and preferably at least one additive to improve melt flow and melt
processability. The additive may be a hydroxyl plasticizer, a hydroxyl-free plasticizer, a diluent,
or mixtures thereof. The composition is melt processable on conventional thermoplastic
15 equipment. The composition is especially suitable for uniaxial and biaxial extensional processes
to make fibers, films, foams and like products.

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