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# Thermal, morphological and structural characterization of a copolymer of starch and polyethylene

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## Highlights

- The copolymerization of the starch and polyethylene was achieved by the bulk method.
- The incorporation of polyethylene decreased the crystallinity in the starch.
- The copolymer obtained had a lower thermal stability than the homopolymers.
- Interaction of the starch with the polyethylene generated a low viscosity copolymer.

Abstract