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Modification of poly(ethylene 2,5-furandicarboxylate) with 1,4-cyclohexanedimethylene: Influence of composition on mechanical and barrier properties

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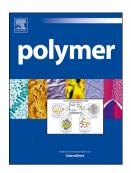
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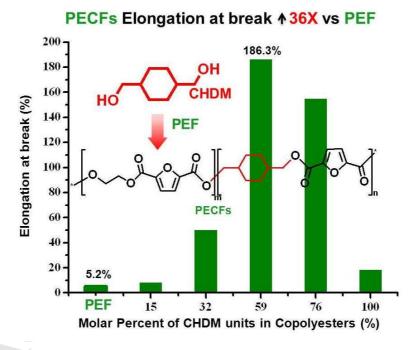
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A serials of bio-based polyesters (PECFs) in full composition range were synthesized from CHDM, EG and FDCA. Considering the crystallization ability and toughness as well as O_2/CO_2 permeability of PECFs, the copolyesters PECF-76 might be the promising substitute for PET in packaging industry.

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