

Title (en)  
COPOLYMERS, PRODUCTION AND USE THEREOF

Title (de)  
COPOLYMERISATE, IHRE HERSTELLUNG UND VERWENDUNG

Title (fr)  
COPOLYMERES, LEUR PREPARATION ET LEUR UTILISATION

Publication  
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Application  
**EP 05778453 A 20050730**

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Abstract (en)  
[origin: WO2006015745A1] The invention relates to copolymers which are produced by copolymerisation in at least two steps. The invention is characterised by the following steps: (A) at least one (co)polymer is produced from a monomer or a mixture of comonomers, comprising (a1) 80 - 100 wt. % of at least one ethylenically unsaturated carboxylic acid, (a2) 0 - 20 wt. % of at least one C<SUB>1</SUB>-C<SUB>22</SUB>-alkylester of at least one ethylenically unsaturated carboxylic acid, (a3) 0 - 10 wt. % of at least one additional ethylenically unsaturated compound, whereby the percentages in wt. % are related to the total amount of comonomers of the related step, and the thus obtained (co)polymer undergoes the following step (B) wherein the (co)polymer is converted with an additional comonomer or another mixture of comonomers, comprising (b1) 0 - 30 wt. % of at least one ethylenically unsaturated carboxylic acid, (b2) 70 - 100 wt. % of at least one C<SUB>1</SUB>-C<SUB>22</SUB>-alkylester of at least one ethylenically unsaturated carboxylic acid, (b3) 0 - 10 wt. % of at least one additional ethylenically unsaturated compound, whereby the percentages in wt. % are related to the total amount of comonomers of the related additional step.

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