

Title (en)
A PROCESS FOR THE PREPARATION OF A CONDENSATION POLYMER

Title (de)
VERFAHREN ZUR HERSTELLUNG EINES KONDENSATIONSPOLYMEREN

Title (fr)
PREPARATION D'UN POLYMERE DE CONDENSATION

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Application
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Abstract (en)
[origin: EP1081176A1] The invention relates to a process to prepare a condensation polymer containing ester groups and at least one amide group in the backbone, having at least one beta -alkyl-substituted beta -hydroxyalkylamide end group, and having a hydroxy alkylamide functionality between 2 and 250 and having a weight average molecular mass of ≥ 800 g/mol. A polyvalent carboxylic acid reacts with an alkanolamine to form a hydroxy-alkylamide after which a polyesteramide is obtained through polycondensation. The obtained polymers can, for example, be used in thermosetting powder paint compositions.

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