

Title (en)

METHOD FOR THE CONTINUOUS PREPARATION OF FORMULATED POLYAMIDE PREPOLYMERS

Title (de)

VERFAHREN ZUR KONTINUIERLICHEN HERSTELLUNG VON FORMULIERTEN POLYAMIDPREPOLYMEREN

Title (fr)

PROCEDE DE PREPARATION EN CONTINU DE PREPOLYMERES DE POLYAMIDES FORMULES

Publication

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Application

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Abstract (en)

[origin: WO2022101580A1] The present invention relates to a method for continuously preparing a formulated polyamide prepolymer of which the solution viscosity is from 0.25 dl/g to 0.70 dl/g, as measured according to ISO 307:2007 in m-cresol at 20° C, the method being characterized in that it comprises a step of polycondensation on the basis of one or more polyamide precursor monomers, said polycondensation step being carried out in an extruder comprising at least two co-rotating conveying screws, the at least one monomer being previously fed therein in solid or liquid form without being dissolved in a solvent or in water, and said polycondensation step being carried out without extraction of the water formed during said polycondensation step and including the introduction of at least one additive during said polycondensation step in the extruder.

IPC 8 full level

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