

Title (en)

PROCESS FOR PRODUCING POLYMER FOAMS COMPRISING IMIDE GROUPS

Title (de)

VERFAHREN ZUR HERSTELLUNG VON IMIDGRUPPEN ENTHALTENDEN POLYMERSCHÄUMEN

Title (fr)

PROCÉDÉ POUR LA PRÉPARATION DE MOUSSES POLYMÈRES CONTENANT DES GROUPES IMIDE

Publication

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Application

EP 17755161 A 20170818

Priority

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Abstract (en)

[origin: WO2018036921A1] The present invention relates to a process for producing a polymer foam comprising reacting components A to C in the presence of component D and optionally E or of an isocyanate-functional prepolymer of components A and B with component C in the presence of component D and optionally E, the total amount of which is 100 wt%, (A) 35 to 75 wt% of at least one polyisocyanate component A, wherein 10 to 100 wt% of component A is a condensation product comprising polyimide groups and obtained by condensing at least one polyisocyanate component with at least one polycarboxylic acid having at least 3 COOH groups per molecule or anhydride thereof, (B) 5 to 50 wt% of at least one polyol component B, (C) 1 to 10 wt% of water as component C, and (D) 0.01 to 3 wt% of at least one Lewis base component D, (E) 0 to 5 wt% of at least one foam stabilizer component E, wherein said reacting is effected to release carbon dioxide.

IPC 8 full level

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Citation (search report)

See references of WO 2018036921A1

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