

Title (en)

MOISTURE-CURABLE POLYURETHANE HOTMELT ADHESIVE HAVING HIGH INITIAL STRENGTH

Title (de)

FEUCHTIGKEITSHÄRTENDER POLYURETHANHEISSKLEBSTOFF MIT HOHER ANFÄNGLICHER FESTIGKEIT

Title (fr)

ADHÉSIF THERMOFUSIBLE À BASE DE POLYURÉTHANE DURCISSABLE À L'HUMIDITÉ AYANT UNE RÉSISTANCE INITIALE ÉLEVÉE

Publication

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Application

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Abstract (en)

[origin: WO2021094509A1] The present invention relates to a moisture-curable polyurethane hotmelt adhesive containing at least 80% by weight based on the total weight of the moisture-curable polyurethane hotmelt adhesive of isocyanate-terminated prepolymer obtainable by mixing diisocyanate (a) with compounds having at least two isocyanate-reactive groups (b) and reacting the mixture to afford the isocyanate-terminated prepolymer, wherein the compounds having at least two isocyanate-reactive groups (b) contain at least one polylactide (b1) obtainable by reaction of lactide with a linear difunctional starter molecule having 2 to 20 carbon atoms and the isocyanate content of the isocyanate-terminated prepolymer is 1% to 5% by weight. The present invention further relates to a process for producing such a moisture-curable polyurethane hotmelt adhesive and to the use thereof for bonding substrates.

IPC 8 full level

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Citation (search report)

See references of WO 2021094509A1

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