

Title (en)

PROCESS FOR PREPARING A POLYISOCYANATE, POLYISOCYANATE, ITS USE AND POLYADDITION PRODUCTS PREPARED THEREFROM

Title (de)

VERFAHREN ZUR HERSTELLUNG EINES POLYISOCYANATS, POLYISOCYANAT, DESSEN VERWENDUNG UND DARAUS HERGESTELLTE POLYADDITIONS-PRODUKTE

Title (fr)

PROCÉDÉ DE PRÉPARATION D'UN POLYISOCYANATE, POLYISOCYANATE, SON UTILISATION ET PRODUITS DE POLYADDITION PRÉPARÉS À PARTIR DE CE DERNIER

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Application

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Abstract (en)

[origin: WO2022122906A1] The present invention relates to a process for preparing a polyisocyanate, namely a isocyanate group-terminated polyol polyanthranilic acid ester. The process comprises the step of reacting an anthranilic acid derivated selected from anthranilic acid halide (in particular anthranilic acid chloride), isatoic anhydride or a mixture thereof with a first polyol of a number-average molar mass of at least 200 g/mol and a functionality in the range of 2 to 8, and obtaining, as a result, a polyamine (namely a polyol polyanthranilic acid ester with amine terminal groups) and reacting the polyamine with phosgene and obtaining, as a result, a polyisocyanate (namely an isocyanate group-terminated polyol polyanthranilic acid ester). The invention further relates to the polyisocyanates obtained in this way, their use in polyaddition reactions, and polyaddition products obtainable by these reactions.

IPC 8 full level

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