

Title (en)

PHASE-STABLE POLYOL COMPONENT FOR PRODUCING POLYURETHANE MOULDED PARTS

Title (de)

PHASENSTABILE POLYOLKOMPONENTE ZUR HERSTELLUNG VON POLYURETHANFORMTEILEN

Title (fr)

CONSTITUANT POLYOL À PHASE STABLE POUR LA FABRICATION DE PIÈCES MOULÉES EN POLYURÉTHANE

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Application

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Abstract (en)

[origin: WO2018138047A1] The invention relates to a phase-stable polyol component for producing polyurethane moulded parts, comprising: (a) compounds with hydrogen atoms that are reactive to isocyanate, including (a1) at least one amine-started propylene oxide having a nominal functionality of 3 to 6 and a hydroxyl number of 400 to 900 mg KOH/g, (a2) at least one alkylene oxide with a nominal functionality of 2 to 4 and a hydroxyl number of 20 to 1200 mg KOH/g and an ethylene oxide group content of less than 40% in relation to the total weight of alkylene oxide units in the component (a2), wherein the alkylene oxides (a1) and (a2) are different, and/or an at least trifunctional alcohol with a hydroxyl number greater than 1200 mg KOH/g; (b) internal separation means, selected from saturated or unsaturated, aliphatic or cycloaliphatic carboxylic acids with at least 8 C-atoms and the salts thereof; (c) blowing agent, containing water; (d) at least one tertiary amine catalyst; and (e) optionally other auxiliary and additional agents. The invention also relates to a method for producing polyurethane moulded parts in which a polyol component according to the invention is mixed with an isocyanate component, containing di- and/or polyisocyanate to form a reaction mixture, introduced into a moulding tool, and cured to form the polyurethane moulded part.

IPC 8 full level

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Citation (search report)

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