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(54) Title: PROCESS FOR PREPARING A HIGH-RESILIENCE POLYURETHANE FOAM

(57) Abstract: The invention relates to a process for preparing a polyurethane foam having a resilience of at least 40%, comprising reacting a polyether polyol component (a) and a polyisocyanate in the presence of a blowing agent and a foam stabiliser component (b), wherein polyether polyol component (a) comprises (a) (i) a polyether polyol which has a molecular weight lower than 4,500 g/mole and is prepared by ringopening polymerization of an alkylene oxide in the presence of an initiator having a plurality of active hydrogen atoms and a composite metal cyanide complex catalyst, and (a) (ii) a polyether polyol which has a molecular weight of 4,500 g/mole or higher and which has a primary hydroxyl content of at least 30%; and foam stabiliser component (b) comprises foam stabilisers (b) (i) and (b) (ii) which are organosilicone surfactants comprising a polysiloxane-polyoxyalkylene copolymer, wherein the weight ratio of (b) (i) to (b) (ii) is at most 0.5:1.



WO 2023/017078 A1