

ABSTRACT

PROCESS FOR PRODUCING ELASTOMERS

The present invention describes a process for producing an elastomer, preferably a polyurethane-containing elastomer, by reacting a polyol component (A) comprising at least one polyether carbonate polyol (A-1) containing carbon-carbon double bonds with a component (B) which is reactive with OH groups and contains at least one compound reactive toward OH groups, preferably an isocyanate component (B-1) containing NCO groups, in the presence of a free-radical initiator (C), preferably at least one peroxide (C-1), and optionally a catalyst (D), where the molar ratio of the OH-reactive groups of the component (B) reactive with OH groups, preferably NCO groups of the isocyanate component (B-1), to the OH groups of the polyol component (A) containing carbon-carbon double bonds, is greater than 1.0. It further relates to elastomers obtainable by such a process, preferably polyurethane elastomers, the use thereof, and two-component systems for production of elastomers, preferably polyurethane elastomers.