

Abstract

The present invention relates to a process for the preparation of polyethercarbonate polyols, wherein (i) in a first step a polyethercarbonate polyol is prepared from one or more H-functional starter substances, one or more alkylene oxides and carbon dioxide in the presence of at least one DMC catalyst, and (ii) in a second step the polyethercarbonate polyol chain is extended with a mixture of at least two different alkylene oxides in the presence of at least one DMC catalyst. The invention also provides polyethercarbonate polyols comprising a terminal mixed block of at least two alkylene oxides, and a process for the production of flexible polyurethane foams using a polyol component that comprises a polyethercarbonate polyol according to the invention.