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Abstract

PROCESS FOR THE PREPARATION OF POLYETHER CARBONATE POLYOLS WITH
5 PRIMARY HYDROXYL END GROUPS AND POLYURETHANE POLYMERS PRODUCED
THEREFROM

The present invention relates to a process for the preparation of polyether carbonate polyols with
primary hydroxyl end groups, comprising the steps of reaction of a starter compound containing
10 active hydrogen atoms with an epoxide and carbon dioxide under double metal cyanide catalysis,
reaction of the product obtained with a cyclic carboxylic acid anhydride and reaction of this
product obtained with ethylene oxide in the presence of a catalyst which contains at least one
nitrogen atom per molecule, excluding non-cyclic tertiary amines with identical substituents. The
invention furthermore relates to polyether carbonate polyols obtainable by this process,
15 compositions comprising these polyether carbonate polyols and polyurethane polymers based on
these polyether carbonate polyols.