

ABSTRACT

MOISTURE-CURING POLYETHER CARBONATE CONTAINING
ALKOXSILYL GROUPS

The present invention relates to a method for producing polyether carbonates containing alkoxysilyl groups in which (a) an unsaturated polyether carbonate polyol is reacted with (b) an alkoxysilane compound of formula (II) $\text{Si}(\text{X})_m(\text{R1})_n(\text{R2})_o$ (II), where $\text{X} = \text{H}$, Y-S-H and $\text{Y} = \text{C1-C22 alkylene}$, C6-C14 arylene , C7-C14 aralkylene , $\text{C7-C14 alkylarylene}$; $\text{R1} = \text{C1-C8-alkoxy}$, C7-C20-aralkoxy , C6-C14-aroxy , C7-C20-alkylaroxy ; $\text{R2} = \text{C1-C22 alkyl}$, C6-C14 aryl , C7-C14 aralkyl , C7-C14 alkylaryl , and m and n represent, independently of one another, an integer ≥ 1 , o is zero or an integer ≥ 1 and $m + n + o = 4$. The invention further relates to the production of a polyurethane polymer using such a polyether carbonate, a cross-linked, siloxane group containing polymer and a molded part containing or consisting of said cross-linked polymer.