

Title (en)  
ALKOXY-SILANE-TERMINATED PREPOLYMERS

Title (de)  
ALKOXY-SILAN-TERMINIERTE PREPOLYMERE

Title (fr)  
PREPOLYMERES A TERMINAISONS ALCOXY-SILANE

Publication  
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Application  
**EP 04735887 A 20040603**

Priority  
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Abstract (en)  
[origin: WO2005000931A1] The invention relates to prepolymers (A) with terminal groups of general formula (1)  $-\text{SiR}_{<1>\text{a}}(\text{OR}_{<2>})_3-\text{a}$ , whereby  $\text{R}_{<1>}$  represents an optionally halogen-substituted alkyl, cycloalkyl, alkenyl or Aryl radical having 1-10 carbon atoms;  $\text{R}_{<2>}$  represents an alkyl radical having 1-6 carbon atoms or a omega-oxaalkyl-alkyl radical having, in total, 2-10 carbon atoms; a is a number from 0 to 2, whereby the prepolymers (A) can be obtained by reacting: 1) polyol (A1) having an average molecular weight  $M_n$  ranging from 1000 to 25000; 2) low-molecular alcohol (A2) having at least two hydroxyl groups per molecule and a molecular weight ranging from 62 to 300; 3) di- or polyisocyanate (A3), and; 4) alkoxy-silane (A4), which have an isocyanate group or an isocyanate-reactive group, whereby the low-molecular alcohol (A2) and the polyol (A1) are used in a molar ratio ranging from 0.3: 1 to 7: 1.

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