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Catalyst for preparing polytetrahydrofuran**Abstract**

In a process for preparing polytetrahydrofuran, polytetrahydrofuran copolymers or diesters or monoesters thereof by polymerization of tetrahydrofuran in the presence of at least one telogen and/or comonomer over acid-activated montmorillonite catalysts, the montmorillonite catalyst after acid activation has a ratio of montmorillonite structure to the sum of muscovite and kaolin structures, determined from the intensities of the reflections at $2\theta = 5.5^\circ$ for montmorillonite, $2\theta = 9.0^\circ$ for muscovite and $2\theta = 12.5^\circ$ for kaolin measured in the X-ray powder pattern, of at least 5:1.



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