

Preparation of halogen-free, reactive polyisobutene

Abstract

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A process for preparing halogen-free, reactive polyisobutene having a terminal double bond content of more than 50 mol% and an average molecular weight M_n of 500 - 5000 Dalton by cationic polymerization of isobutene or hydrocarbon mixtures comprising

10 isobutene in the liquid phase comprises polymerizing at from -40°C to +10°C in the presence of a molybdo-heteropolyacid or tungsto-heteropolyacid.

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