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Influence N-(n-alkiloksikarbonil)phenylmaleimides on formation and properties of poly(methyl methacrylate)

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Keyword: N-(n-alkiloksikarbonil)phenylmaleimides, poly(methyl methacrylate), copolymerization, kinetics, IR spectroscopy, NMR ¹H spectroscopy, thermomechanical analysis, physical-mechanical propertie.

Abstract

Influence of N-(n-alkiloksikarbonil)phenylmaleimides (MI) on the kinetics of the formation and the properties of poly(methyl methacrylate) (PMMA) is investigated. It is stated that MI influences the growth rate of the chain, improvement of physical-mechanical properties and increase of glass transition PMMA.

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