

Investigation of microwave assisted reaction of ethylene carbonate with *p*-*tert*-butylphenol

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Keywords: phenol, ethylene carbonate, oligomerization, basic catalyst

Abstract

Oligoethers have been prepared based on the reaction of *p*-*tert*-butylphenol with ethylene carbonate in the presence of potassium and cesium carbonates using microwave irradiation. It has been established that during the reaction of *p*-*tert*-butylphenol with ethylene carbonate under microwave irradiation the products were formed with the higher degree of oligomerization than those at conventional heating, the reaction proceeds at a higher rate, and ethylene carbonate fragments appear in addition to ethylene oxide fragments in reaction products.