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Building heat-insulating materials based on the products of the transesterification of polyethylene terephthalate and dibutyltin dilaurate

Vladimir Erofeev^{a,*}, Alexander Bobryshev^b, Lenar Shafigullin^b, Pavel Zubarev^c,
Alexander Lakhno^c, Iliia Darovskikh^c, Iliia Tretiakov^a

^a*Ogarev Mordovia State University, Saransk, 430005, Russia*

^b*Naberezhnye Chelny Institute of Kazan Federal University, Naberezhnye Chelny, 423812, Russia*

^c*Russia Penza State University of Architecture and Construction, Penza, 440028, Russia*

Abstract

In this paper, we offered a technological basis for production of heat-insulating polyurethane materials based on the aromatic polyester – the product of transesterification of polyethylene terephthalate and corrective additive - dibutyltin dilaurate. Also, we presented the formulation and properties of the developed polyurethanes.

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Keywords: building materials, heat-insulating materials, foamed polyurethane, aromatic polyester, corrective additives.

1. Main text

One of the most common and efficient insulation materials today is polyurethane foam because it has a number of unique characteristics. Its application is possible directly on site using simple deposition and filling installations, it

* Corresponding author.

E-mail address: iltrt@mail.ru