

Название публикации:

Highly filled biocomposites based on ethylene-vinyl acetate copolymer and wood flour

Авторы:

Shelenkov, P.G.a, Pantyukhov, P.V.a,b, Popov, A.A.a,b

- a. Emanuel Institute of Biochemical Physics, Russian Academy of Sciences, 4 Kosygina Street, Moscow, Russian Federation
- b. Department of Chemistry and Physics, Plekhanov Russian University of Economics, 36 Stremyanny Lane, Moscow, Russian Federation

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Аннотация:

Recently, there is a great interest in the world to biodegradable materials based on synthetic polymers in a composition with natural fillers. Highly filled polymer composite materials based on various grades of synthetic block copolymer of ethylene vinyl acetate with wood flour were under investigation. Five grades of ethylene-vinyl acetate copolymer differing in the content of vinyl acetate groups and a melt flow index were used in this work in order to find the best one for highly filled biocomposites. Wood flour content in biocomposites was 50, 60, 70 weight %. The rheological and physico-mechanical characteristics of the resulting biocomposites were studied. © Published under licence by IOP Publishing Ltd.

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