

Название публикации:

Biological degradation of gas-filled composite materials on the base of polyethylene

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Сведения об издании:

INTERNATIONAL CONFERENCE MODERN TECHNOLOGIES AND MATERIALS OF NEW GENERATIONS

Групповые авторы книг: IOP

Серия книг: IOP Conference Series-Materials Science and Engineering

Том: 286

Номер статьи: UNSP 012009

DOI: 10.1088/1757-899X/286/1/012009

Опубликовано: 2018

Тип документа: Proceedings Paper

Аннотация:

Gas-filled composite materials based on polyethylene were obtained. It was assumed that introduction of porosity in polyethylene will improve the biodegradability of synthetic materials. The morphological and structural changes were estimated, physical and mechanical properties, stability in water and soil of these materials were determined. It is stated that filling the polymer matrix with pores increases the ability to degrade in nature.