Название публикации:

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

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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.

Ключевые слова:

Biodegradability, Composite materials, Polyethylenes, Biological degradation, Physical and mechanical properties, Stability in waters, Synthetic materials, Biological materials