

عنوان مقاله:

Analysing The Application Of Pyrolysis Reactor And The Process Of Sediment Dissolution In The Result Of Tetra Pak Waste

محل انتشار:

ششمین کنفرانس بین المللی علوم، مهندسی و نقش تکنولوژی در کسب و کارهای نوین (سال: 1403)

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خلاصه مقاله:

In the industry, tetra pack carton packaging was designed and developed to store drinking milk, but today it has many uses in many foods and beverages, so the recycling of this type of packaging is important due to the existence of various types of recyclable materials used in the production of this type of packaging. Due to the existence of a multi-layer structure in the skeleton of this type of packaging, there are serious and important problems in the field of recycling this type of composite cartons that are used to store all kinds of drinks and food. , are left in the environment as waste, so our priority should be to conduct scientific studies to manage this type of waste and have a suitable recycling method for them. Tetra Pak was evaluated considering that in both methods the results are in good agreement with the theoretical standards. Accordingly, there is more potential for the pyrolysis method of Tetra Pak waste to facilitate its application and generalization to semi-industrial and industrial units from a technical point of view.

کلمات کلیدی:

pyrolysis reactor, sediment selective dissolution process, tetra pack structure, multi-layer cardboard recycling, water pulping

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