

What are plastic briquettes used for?

Plastics-based briquettes are mainly used for energy recovery instead of coal. In particular, briquettes made of plastics are considered to be employed as an alternative fuel when coal is used for energy generation, showing great burning characteristics, high heat content per volume and good mechanical strength (Nwabue et al., 2017).

Should briquettes be used for solid waste treatment?

In addition, emphasis should be given to waste management since briquettes can be an alternative option to conventional solid waste treatment.

What types of briquettes can be identified?

Three groups of waste-based briquettes can be identified following the results of the review and the t-test: bio-based briquettes; wood-based briquettes; and plastics and charcoal-based briquettes. The first group collects paper and cardboard waste, agricultural waste, and OF-MSW.

Can briquettes be used for energy generation?

Moisture, density. Briquettes can be used for energy generation although research should concern the influence of the granulometric structure of compacted particles on the briquettes' durability and the energy value of obtained fuel. Shavings and sawdust produced per furniture manufacturing.

Are briquettes a sustainable fuel?

By the review it has been highlighted that briquettes are an efficient fuel, producing low GHG emissions as compared to other fuels, such as firewood and coal (Ngusale et al., 2014). Biomass-based materials are viable alternatives to supplying energy in rural areas.

Are briquettes a good alternative fuel?

Following the indications of various authors, mixing waste in suitable proportions and producing compact structures using briquette machinery gives a good alternative fuel (Gug et al., 2015). In particular, plastics-based briquettes can be used in co-combustion with coal in boilers (Song et al., 2021).



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