

Refuse Derived Fuel

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What is Refuse derived fuel?

Refuse-derived fuel is a fuel produced from various types of waste such as municipal solid waste, industrial waste or commercial waste(it includes biodegradable material as well as plastics).

The World Business Council for Sustainable Development defines Refuse-derived fuel as "Selected waste and by-products with recoverable calorific value can be used as fuels in a cement kiln, replacing a portion of conventional fossil fuels, like coal, if they meet strict specifications. Sometimes they can only be used after pre-processing to provide 'tailor-made' fuels for the cement process"

RDF has many facets, meaning it can be further specified into TDF (Tyre Derived Fuels), SRF (Solid Recovered Fuels) and AF (Alternative Fuels).

What types of materials are processed?

RDF consists largely of combustible components of such waste, as non recyclable plastics (not including PVC), paper cardboard, labels, and other corrugated materials.

How does the production of RDF take place?

The most common way of extracting RDF from Municipal Solid Waste is to combine mechanical and biological treatments methods.