

PRODUCT INFORMATION

Technical Data Sheet - Refuse Derived Fuel Type 3



RDF consists largely of the combustible components of waste, such as non-recyclable plastics (not including PVC), paper, cardboard, labels, and other such materials. These fractions are separated by different processing steps, such as screening, air classification and ballistic separation to remove unwanted materials. Particle-size reduction. RDF may be used as substitute for fossil fuels in cement plants, lime plants, coal fired power plants or as reduction agent in steel furnaces.

According to ASTM standards E856-83 (2006), RDF can be classified into 7 categories. The material presented here is defined as "Type 3". Wastes processed to separate glass, metal and inorganic materials, shredded such that 95 % by weight passes 50 mm square mesh screen, namely Fluff RDF. Parameters may be tailored to specific requirements.

PARAMETERS	UNITS	RESULTS
		ARB
Calorific value (As Received Basis)	MJ/kg kcal/kg	15 - 20 3,500 to 5,000
Moisture content	%	< 35
Particle size (95%)	mm	50
Maximum particle size	mm	75 to 100
Bulk density	kg/m ³	350 to 650

The following table provides the indicative constituent parameters for RDF produced by Organics. These test results are typical limits only and are not intended to be representative of any specific lot, cargo and shipment. Each batch will be tested and certified separately according to the requirements of each application.

PARAMETER	UNIT	VALUE	PARAMETER	UNIT	VALUE
Calorific value (ARB)	MJ/kg	15.0	ASH Content	%	5
Cl	%	0.5	Cd	mg/kg	10
S	%	0.4	Mo	mg/kg	20
Br	%	0.01	Co,Cu, Mn, Sn	mg/kg	200
N	%	0.7	V	mg/kg	200
F	%	0.1	Cr	mg/kg	200
Be	mg/kg	1	Pb	mg/kg	200
Hg/Ti	mg/kg	2	Ni	mg/kg	200
As, Se (Te), Sb	mg/kg	10	Zn	mg/kg	200



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Organics RDF