

PRODUCT INFORMATION

Technical Data Sheet - Refuse Derived Fuel Type 2



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 2". Wastes processed to coarse particle size with or without ferrous metal separation such that 95% by weight passes through a 150 mm square mesh screen, namely Coarse 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	150
Maximum particle size	mm	200 to 250
Bulk density	kg/m ³	300 to 500

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 Ltd

Sovereign Court II
University of Warwick Science Park
Coventry CV4 7EZ,
United Kingdom
T: +44 (0) 24 7669 2141
F: +44 (0) 24 7669 2238
E: comms@organics.co.uk
W: www.organics.co.uk

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