



PRODUCT INFORMATION

Technical Data Sheet - EFB Charcoal Briquettes

The properties of the Empty Fruit Bunch (EFB) charcoal briquettes are comparable to those of commercial sawdust charcoal briquettes. With the increasing global interest in renewable energy fuels, and the decreasing sawdust supply, EFB fibre is a viable alternative raw material for the production of biomass charcoal briquettes.

During carbonisation, the EFB is heated in a sealed reactor vessel, isolated from oxygen in the air which would otherwise allow it to combust down to ash. Carbonisation thermally decomposes EFB into a variety of substances, the main one of which is charcoal, a black porous solid consisting mainly of elemental carbon.

PARAMETERS	UNITS	VALUES*	ACCURACY
- Moisture	%	7.00	±1.00%
Proximate analysis (Dry Basis)			
- Ash content	%	6.00	±0.50%
- Volatile matter	%	13.50	±1.50%
- Fixed carbon	%	81.00	±2.00%
Ultimate analysis (Dry Basis)			
- Carbon	%	72.43	±1.29%
- Hydrogen	%	1.30	±0.15%
- Nitrogen	%	1.44	±0.06%
- Sulphur	%	<0.01	
- Oxygen	%	24.83	±3.50%
Selected elements (Dry Basis)			
- Chloride	%	0.03	
- Potassium	%	0.07	
- Silica	%	2.39	
Energy and power (Dry Basis)			
- Higher Heating Value	MJ/kg	27.35	±2.50%
	kcal/kg	6,532	
- Lower Heating Value	MJ/kg	27.07	
	kcal/kg	6,466	
- Density (ARB)	kg/m ³	1,400	
- LHV Energy density	MJ/m ³	37,898	
- Thermal power based upon 100 tpd and LHV	MWth	31.33	

*All values are indicative. Product will be supplied on a certificated basis.

Product size: Outer dia 4-5 cm / Inner dia 10-15 mm / Length 10-44 cm Shape: Hexagonal

Supply is based upon FOB Kalimantan Port or Sumatra Port - Indonesia

Minimum order : 100 tonnes

Payment Terms: 50% T/T in advance and Balance against B/L copy (Payment by L/C acceptable for amounts above USD15,000)

Standard shipping documents supplied: Bill of Lading, Invoice, Packing list, Certificate of Origin.

All palm plantation biomass sources are either RSPO or ISCC certified. Where appropriate, Organics will support qualifying plantations and mills to attain visible compliance in such matters.



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Bulk shipments may be supplied either FOB or DDP.

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