

BRIQUETTES

DATA SHEET



Description

Jord's biomass briquettes are a compressed solid biofuel produced exclusively from perennial C4 grass cultivated on our farms in the Dominican Republic. The grass biomass is cut, dried, and mechanically densified under high pressure—without binders, additives, or chemical treatment—to form a large-format, uniform block engineered for industrial-scale combustion. The result is a robust, energy-dense briquette that resists breakdown during transport and bulk storage, stacks and feeds cleanly into grate-fired boilers and industrial furnaces, and delivers consistent calorific output across every production batch.

Feedstock: C4-grass **Origin:** Dominican Republic



Data table

Parameter	Unit	Pellet	Standard
Diameter, D	mm	60—90 ± 5	ISO 17829
Length, L	mm	50 < L < 300	ISO 17829
Moisture content	w-%	≤ 12	SS-EN ISO 18134-2:2017
Ash content	w-%	<5%	SS-EN ISO 18122:2015
Mechanical durability MD	w-%	≥ 95	SS-EN ISO 17831-1:2016
Bulk density, BD	kg/m ³	≈ 650	SS-EN ISO 17828:2016
Amount of fines (bulk)	w-%	≤ 4.0	SS-EN ISO 15149-2:2010
Calorific value (Dry basis)	MJ/kg	18	SS-EN ISO 18125:2017
Ash deformation temperature, DT	°C	≥960	SS-EN ISO 21404:2020
Nitrogen, N	%	≤ 0,30	SS-EN ISO 16948:2015
Sulfur, S	%	≤ 0,04	SS-EN ISO 16994:2016 mod
Chlorine, Cl	%	≤ 0,60	SS-EN ISO 16994:2016
Arsenic, As	mg/kg	≤ 1	SFS-EN ISO 16967:2015 mod.; SFS-EN ISO 16968:2015 mod.; SFS-EN ISO 17294-2:2016
Cadmium, Cd	mg/kg	≤ 0,50	SFS-EN ISO 16967:2015 mod.; SFS-EN ISO 16968:2015 mod.; SFS-EN ISO 17294-2:2016
Cooper, Cu	mg/kg	≤ 10	SFS-EN ISO 16967:2015 mod.; SFS-EN ISO 16968:2015 mod.; SFS-EN ISO 17294-2:2016
Lead, Pb	mg/kg	≤ 10	SFS-EN ISO 16967:2015 mod.; SFS-EN ISO 16968:2015 mod.; SFS-EN ISO 17294-2:2016
Mercury, Hg	mg/kg	≤0,1	SFS-EN ISO 16967:2015 mod.; SFS-EN ISO 16968:2015 mod.; SFS-EN ISO 17294-2:2016
Nickel, Ni	mg/kg	≤ 10	SFS-EN ISO 16967:2015 mod.; SFS-EN ISO 16968:2015 mod.; SFS-EN ISO 17294-2:2016
Zinc, Zn	mg/kg	≤ 100	SFS-EN ISO 16967:2015 mod.; SFS-EN ISO 16968:2015 mod.; SFS-EN ISO 17294-2:2016

*Preliminary version. Figures will be replaced once Eurofins lab analysis is complete.

Benefits

- ✓ High energy content ≥18 MJ/kg.
- ✓ It is manufactured 100% with C4 grass without additives or adhesives.
- ✓ Low sulfur content that prevents boiler corrosion.
- ✓ Offer an efficient logistic solutions.
- ✓ 100% C4-Grass. Single-source, single-feedstock. No mixed residues, no additives, no binders. Consistent combustion chemistry and calorific value, batch after batch.
- ✓ Stable Supply Perennial crop harvested several times per year — no replanting, no seasonal gaps. A continuously available feedstock buyers can put under long-term contract.

Best use

- **Heating and Power Generation:** Jord briquettes are suited for industrial process heat, heat and power generation, co-firing setups, district heating and CHP plants, and grate-fired and stoker biomass boilers.

Availability

Available in bulk and large sack. Contact sales for orders and inquiries. eva.teekens@jord.one

