



Improving Briquette Shapes and Sizes

Enhancing Efficiency, Combustion, and Convenience


BAMIDELE & EGBEDIMAME *CIEHS*

FAABY BRIQUETTES

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INTRODUCTION

Briquettes are compressed block of coal dust or other combustible biomass material (e.g. charcoal, sawdust, wood chips, peat, or paper) used for fuel and kindling to start a fire.




SHAPES & SIZES


IF YOU REQUIRE DIFFERENT SHAPES AND SIZES, PLEASE DON'T HESITATE TO DISCUSS WITH US

	Cube: 22 x 22 x 22 mm - 96 pcs/kg 25 x 25 x 25 mm - 72 pcs/kg 26 x 26 x 26 mm - 64 pcs/kg 27 x 27 x 27 mm - 54 pcs/kg 28 x 28 x 28 mm - 50 pcs/kg		Flat: 25 x 25 x 15 mm - 110 pcs/kg 25 x 25 x 17 mm - 108 pcs/kg
	Finger Hexagonal: 18 x 35 mm - 102 pcs/kg 18 x 50 mm - 72 pcs/kg 20 x 35 mm - 94 pcs/kg 20 x 50 mm - 64 pcs/kg		Half Finger: 18 x 35 mm - 102 pcs/kg 18 x 50 mm - 72 pcs/kg 20 x 35 mm - 94 pcs/kg 20 x 50 mm - 64 pcs/kg
	Finger Cylinder: 18 x 35 mm - 102 pcs/kg 18 x 50 mm - 72 pcs/kg 20 x 35 mm - 94 pcs/kg 20 x 50 mm - 64 pcs/kg		BBQ Hexagonal: 50 x 50 mm - 96 pcs/10 kg 50 x 100 mm - 48 pcs/10 kg 50 x 200 mm - 24 pcs/10 kg

www.glowingcharcoal.com



Importance of optimizing shapes and sizes

- **Efficient Combustion:** The shape and size of a briquette significantly influence its combustion properties
 - **Consistent Energy Output:** Uniformity in shape and size results in consistent burning characteristics
 - **Improved Handling and Transportation:** Briquettes that are uniform in shape and size are easier to handle and transport
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Challenges & Desired Characteristics

- Challenges: Inefficient combustion, inconsistent energy output, handling difficulties
- Desired Characteristics: Efficient combustion, consistent energy output, easy handling

Optimization Strategies

- Shapes: Various shapes and their pros and cons
- Sizes: Factors to consider and impact on combustion efficiency

Production Considerations

- Machinery and equipment
- Cost considerations and required skills for operators

Environmental Benefits

- Optimizing shape and size can contribute to environmental sustainability by reducing waste and emissions. Efficient combustion of biomass briquettes minimizes air pollution and helps mitigate the negative impact of traditional fuel sources on the environment.



➤ Thank you