

SDGs Pelletized Carbon (Moisture-Resistant Type)

Code : SDG-5

About the product

SDG-5 is a high-performance, eco-conscious adsorbent pellet made from biochar derived from woody biomass power generation. By incorporating proprietary blended materials and applying activated carbon manufacturing techniques, SDG-5 achieves enhanced deodorization and gas removal performance while maintaining low cost. It is designed to perform effectively in hot and humid environments.

FEATURES

Contributes to CO₂ Reduction

Utilizes biochar from renewable woody biomass to achieve long-term carbon fixation. Each 20kg product can reduce approximately 12.3kg of CO₂, qualifying it as a carbon-negative material.

High Performance & Cost Efficiency

Delivers gas and odor removal performance comparable to conventional activated carbon, at less than half the cost. Well-suited for industrial applications.

Improved Moisture Resistance

Formulated with natural binders that maintain pellet integrity in high-humidity conditions, offering environmentally friendly handling and disposal.

Sustainable Supply Chain

Relies on renewable biomass resources to ensure a stable supply while minimizing environmental impact, supporting a sustainable society..

PRODUCT PROPERTIES

1	Shape	—	Pellet
2	Material	—	Biochar, Wood ash, Inorganic porous material
3	Iodine number	mg/g	180 <
4	Moisture content	%	20 >
5	Total ash content	%	ca.72.1
6	Surface area	m ² /g	ca..240
7	Pore volume	cm ³ /g	ca.0.18
8	Apparent density	g/cc	ca. 0.60
9	pH	—	9-11
10	Particle size	mm	Φ4
11	Ammonia removal		
	In Gas Phase	%	99 <
	In Aqueous Phase	%	99 <

APPLICATION

Removal of odors and hazardous substances from air and exhaust gases
Environmental control measures in industrial and commercial facilities

HEALTH AND SAFETY

Review all relevant health and safety information before using this product. For complete health and safety information, refer to the Safety Data Sheets.

PACKING

20kg paper bag · 700kg Jumbo bag