

## SDGs Pelletized Carbon for Odor Control

Code : SDG-8

### About the product

SDG-8 is a high-performance pelletized carbon developed by integrating inorganic materials and catalytic components into biochar derived from woody biomass power generation. Through proprietary processing, it efficiently removes six major offensive odor gases (ammonia, hydrogen sulfide, methyl mercaptan, trimethylamine, acetaldehyde, and styrene). It offers excellent deodorizing capability while contributing to carbon neutrality, combining ease of use with cost-effectiveness.

#### FEATURES

##### Efficient Removal of Six Major Odors

By combining inorganic substances and catalysts, SDG-8 achieves superior adsorption of major malodorous gases. Ideal for use in waste processing, sewage treatment, and other facilities handling complex odors.

##### Catalytic Decomposition of Odors

Designed for surface reactions that not only adsorb but also catalytically decompose odor gases—preventing their re-emission.

##### High Performance at Low Cost

Offers performance equal to or better than conventional activated carbon at less than half the cost—economical even for large-scale operations.

##### Dust Suppression and Improved Handling

Pellet form minimizes dust dispersion, enhancing safety and workability on-site.

#### PRODUCT PROPERTIES

1	Shape	—	Pellet
2	Material	—	Biochar, Wood ash, Inorganic porous material
3	Iodine number	mg/g	130 <
4	Moisture content	%	20 >
5	Total ash content	%	ca.68.3
6	Surface area	m <sup>2</sup> /g	ca.200
7	Pore volume	cm <sup>3</sup> /g	ca.0.15
8	Apparent density	g/cc	ca. 0.62
9	pH	—	6-8
10	Particle size	mm	Φ4
11	Gas Removal		
	Ammonia 100ppm	%	99 <
	Hydrogen sulfide 10ppm	%	99 <
	Methyl mercaptan 20ppm	%	99 <
	Trimethylamine 100ppm	%	99 <

#### APPLICATION

Odor control in factories and waste processing facilities

Gas treatment in sewage and composting plants

Pre-treatment of odor gases in biomethane 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