

Catalyst-Modified Activated Carbon for Aldehyde Removal

Code: AD

About the product

AD is a high-performance activated carbon specifically engineered for the removal of aldehyde gases such as formaldehyde, which are difficult to treat using conventional carbon. By impregnating the carbon with a dedicated catalytic agent, it enables both physical adsorption and chemical decomposition, achieving efficient and long-lasting gas treatment.

FEATURES

Chemical Deodorization Function

Impregnated with specialized catalysts that chemically break down aldehydes and other persistent odorants for effective removal.

Cost Efficiency and Extended Life

The synergy of adsorption and catalytic reaction enhances deodorization performance while reducing replacement frequency.

High-Efficiency Adsorbent

Based on high-surface-area coconut shell activated carbon, providing excellent contact and adsorption efficiency for gas-phase compounds.

APPLICATION

Ideal for removing low-concentration aldehydes such as formaldehyde and acetaldehyde. Suitable for use in environments where aldehyde emissions occur, including building materials and industrial exhaust systems.

PRODUCT PROPERTIES

1	Shape	—	Granular
2	Material	—	Coconut shell
3	Activation method	—	Steam Activation
4	Catalyst	—	Inorganic
5	Iodine number	mg/g	900 <
6	Moisture content	%	15 >
7	Total ash content	%	5 >
8	Surface area	m ² /g	ca.1,000
9	Pore volume	cm ³ /g	ca.0.055
10	Apparent density	g/cc	ca. 0.57
11	pH	—	7-9
12	Particle size	—	US 20×50 mesh
13	Gas Removal		
	Acetaldehyde 20ppm	%	99 <

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