Pelletized Activated Carbon
Technical Data Sheet (TDS)

1. Product Description

Pelletized Activated Carbon (PAC) is produced from premium-grade coal, wood, or coconut shell materials that are processed through high-temperature activation, followed by extrusion into uniform cylindrical pellets. The product exhibits excellent mechanical strength, low dust generation, and high adsorption capacity. It is particularly suitable for industrial gas-phase applications such as solvent recovery, VOC removal, and air purification, where low pressure drop and high durability are required.

2. Typical Physical & Chemical Properties

Item	Unit	Typical Value
Iodine Number	mg/g	900–1100
CTC Adsorption	%	50–70
Surface Area (BET)	m^2/g	950–1150
Moisture	%	≤5
Ash	%	≤10
Hardness	%	≥95
Bulk Density	g/cm^3	0.45–0.55
Diameter	mm	3 – 4 (customizable)
pH	–	6–9
Appearance	–	Black cylindrical pellets

3. Applications

- Air and gas purification systems
- VOC and solvent vapor recovery
- Industrial exhaust and emission control
- Odor removal and deodorization units
- Catalyst carrier or impregnated carbon base material
- Protective cartridge and respirator filtration media

4. Packaging & Storage

Standard packaging includes 25 kg PE-lined woven bags, 500 kg or 1000 kg jumbo bags, or customized containers. Store in a cool, dry, and well-ventilated area, away from oxidizing agents and ignition sources. Avoid prolonged contact with moisture to maintain adsorption efficiency.

5. Quality & Compliance

Manufactured under ISO 9001 quality management and tested in accordance with ASTM and AWWA B604 standards. Each batch is subject to strict analysis for adsorption capacity, hardness, and physical consistency.

6. Remark

Data above represent typical values for reference only. Actual performance may vary according to process conditions and raw material source. Henan CarbonFresh Activated Carbon Co., Ltd. reserves the right to revise technical specifications without prior notice.

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