Powdered Activated Carbon
Technical Data Sheet (TDS)

1. Product Description

Powdered Activated Carbon (PAC) is manufactured from high-grade carbonaceous materials through controlled activation processes. Its fine powder structure offers rapid adsorption and high surface contact efficiency, making it ideal for liquid-phase purification. PAC is widely used in drinking water treatment, industrial wastewater purification, pharmaceuticals, food processing, and air filtration.

2. Typical Chemical & Physical Properties

Item	Unit	Typical Value
Iodine Number	mg/g	950–1100
Surface Area (BET)	m^2/g	950–1200
Moisture	%	≤10
Ash	%	≤8
pH	–	6–8
Bulk Density	g/cm^3	0.45–0.55
Particle Size (Passing 200 Mesh)	%	≥90

3. Applications

- Drinking water treatment
- Industrial wastewater purification
- Food and beverage decolorization
- Pharmaceutical and fine chemical production
- Gas and air purification systems

4. Packaging & Storage

Supplied in 25 kg woven bags, 500 kg or 1000 kg jumbo bags, or customized packaging. Store in a cool, dry, and ventilated area away from moisture, heat, and oxidizing agents.

5. Quality & Compliance

Manufactured under an ISO-certified quality management system and tested in accordance with ASTM and ISO methods. Complies with RoHS, REACH, and AWWA requirements upon request.

6. Remark

The above properties are typical reference values and not guaranteed specifications. Henan CarbonFresh Activated Carbon Co., Ltd. reserves the right to modify product data without prior notice.

Web:www.carbonfreshcn.com|Email:info@carbonfreshcn.com|Tel:+86155 3801 7198|
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