Granular Activated Carbon
Technical Data Sheet (TDS)

1. Product Description

Granular Activated Carbon (GAC) is produced from selected high-quality coconut shell, coal, or wood raw materials through advanced steam activation and optimized granulation. Its highly developed microporous structure, large surface area, and strong adsorption capacity make it ideal for removing organic compounds, chlorine, odors, and various pollutants from gas and liquid streams. GAC is widely used in water treatment, air purification, food processing, chemical industries, and gold recovery systems.

2. Typical Physical & Chemical Properties

Item	Unit	Typical Value
Iodine Number	mg/g	1000–1200
Surface Area (BET)	m^2/g	950–1200
C.T.C. Adsorption	%	60–90
Moisture	%	≤5
Ash	%	≤10
Hardness	%	≥95
Bulk Density	g/cm^3	0.45–0.55
Particle Size	mm	0.4–1.2 (customizable)
pH	–	6–8

3. Applications

- Municipal and industrial water purification
- Drinking water taste and odor control
- Wastewater treatment and decolorization
- Air and gas purification systems
- Solvent recovery and VOC removal
- Gold recovery and precious metal refining

4. Packaging & Storage

Typical packaging: 25 kg woven bags, 500 kg or 1000 kg jumbo bags, or customized containers as required. Store in a cool, dry, and well-ventilated area, away from direct sunlight, flames, and oxidizing chemicals. Avoid contact with volatile organics or moisture to maintain adsorption capacity.

5. Quality & Compliance

Manufactured under an ISO 9001 quality system and tested in accordance with ASTM, AWWA, and JIS standards. Complies with RoHS, REACH, and NSF/ANSI requirements upon request.

6. Remark

The data listed above are typical performance values and may vary depending on application and raw material source. Henan CarbonFresh Activated Carbon Co., Ltd. reserves the right to update productspecifications without prior notice.

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