Anthracite Filter Media
Technical Data Sheet (TDS)

1. Product Description

Anthracite Filter Media is a high-quality filtration material derived from premium-grade anthracite coal that has been carefully selected, crushed, and screened to achieve uniform grain size distribution. The angular shape and high hardness of the particles ensure optimal filtration performance, low pressure loss, and excellent backwashing efficiency. It is specifically designed for use in single- and multi-layer filtration systems for drinking water, wastewater, and industrial process applications.

2. Typical Physical & Chemical Properties

Item	Unit	Typical Value
Fixed Carbon	%	≥ 85
Moisture	%	≤ 2.0
Bulk Density	g/cm³	0.9–1.4
Effective Size (D10)	mm	0.6–2.5 (customizable)
Uniformity Coefficient	–	≤ 1.7
Hardness	%	≥ 95
Acid Solubility	%	≤ 1.5
Color	–	Black, glossy surface

3. Applications

- Municipal drinking water filtration
- Industrial wastewater treatment systems
- Desalination plant pre-filtration
- Power plant and cooling water purification
- Swimming pool and aquaculture filtration

4. Packaging & Storage

Standard packaging in 25 kg woven bags or 1 m³ jumbo bags. Bulk supply available upon request. Store in a cool, dry, and ventilated area, away from excessive moisture and direct sunlight. Avoid contamination by dust or foreign materials during storage and transport.

5. Quality & Compliance

The product is manufactured under the ISO9001 quality management system and tested in accordance with GB/T and AWWA standards. It meets the requirements of drinking water and environmental protection standards.

6. Remark

Data provided above are typical reference values and not guaranteed specifications. Henan CarbonFresh Activated CarbonCo., Ltd. reserves the right to revise technical data without prior notice.

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