



# Zhengzhou Yihang Water Purification Materials Co.,Ltd

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## Activated Carbon Pellets



### Introduction

Activated carbon pellets raw materials are sawdust, nut shell, coconut shell, bituminous coal. First of all, the raw material of activated carbon is carbonized. It is heated to the raw material under the condition of isolated air, and the general temperature is dried at 170°C to 600°C, and the raw material is first carbonized after the dissolution of inorganic salts.

And then the carbide is activated by using an activator such as water steam and carbon to complete the reaction. In the endothermic reaction, the mixture gas composed of CO and H<sub>2</sub> is mainly generated, which is used to burn and heat the carbonized matter to the temperature of 800°C to 1000°C, so as to burn off all the decomposable substances, resulting in developed microporous structure and huge specific surface area, so it has a strong adsorption capacity.

### Advantages

1. Low ash content, less impurities.
2. High iodine value, excellent adsorption. The pore size distribution of the product is reasonable to achieve maximum adsorption and desorption.
3. High strength, excellent chemical adsorption performance.
4. The product service life is long.

### Applications

1. Air purification
2. Sewage treatment plant exhaust adsorption
3. Gas separation
4. Power plant water pretreatment
5. Treatment before waste water recycling
6. Biological sewage treatment

7. Toxic waste water treatment
8. Petrochemical alkali without mercaptan
9. Solvent recovery
10. Chemical catalyst carrier
11. Gold extraction
12. Automobile exhaust purification

### Technical specification

Serial number	Items	Index parameter
1	Iodine adsorption mg/g	800-1200
2	Surface aream <sup>2</sup> /g	850-1300
3	Hardness%	90-95
4	Particle size mm	1.5-9.00
5	PH	7-11
6	Moisture content %	5
7	Ash %	8
8	Loading density g/l	450-650
9	CTC adsorbing capacity %	40-90
10	Formaldehyde adsorption rate %	60-100
11	Specification(diameter) mm	1.5-8

Remark: This data parameter is for reference only and can be customized according to requirements.

### Packing and Transportation

1. 25kg /PP bag
  2. 500kg /jumbo bag
- (Packaging can be customized)

