



## Technical Data Sheet

### ACS Material Carbon Nanotube Sponges

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Revision: 11920

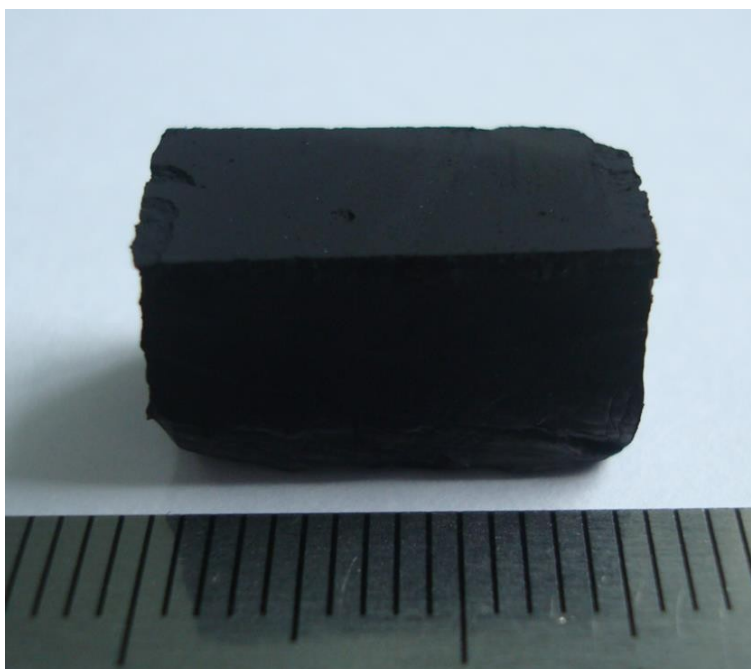
## 1. Preparation Method

CVD Method

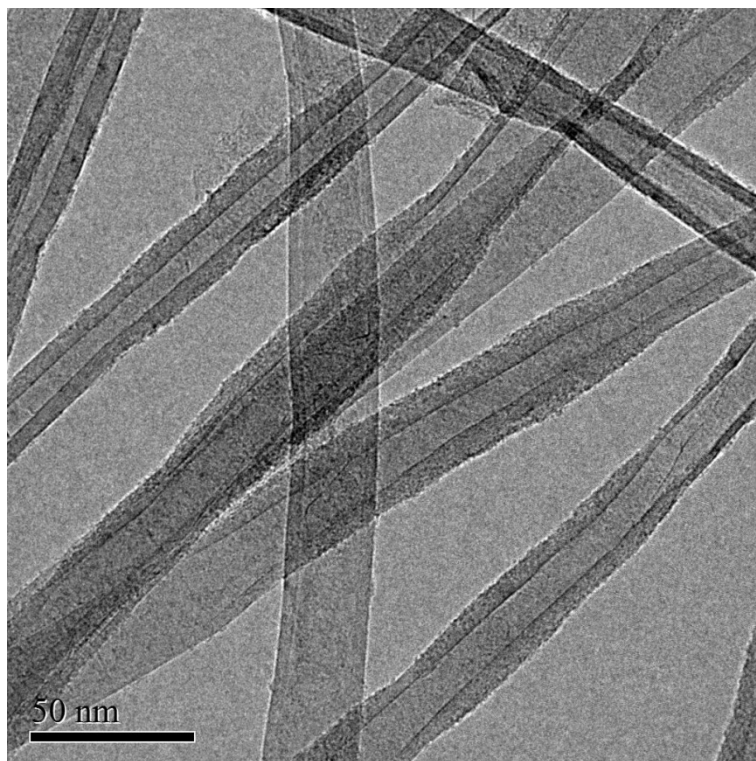
## 2. Characterizations

<b>Shape:</b>	Black Block
<b>Outer Diameter:</b>	30-50 nm
<b>Inner Diameter:</b>	10-20 nm
<b>Porosity Ratio:</b>	99%
<b>Density:</b>	Standard density: 10 mg/cm <sup>3</sup> , can be customized into 5-50 mg/cm <sup>3</sup>
<b>L×W×H:</b>	1cm×1cm×0.2cm 2cm×2cm×0.2cm 5cm×2cm×0.2cm 10cm×5cm×0.2cm

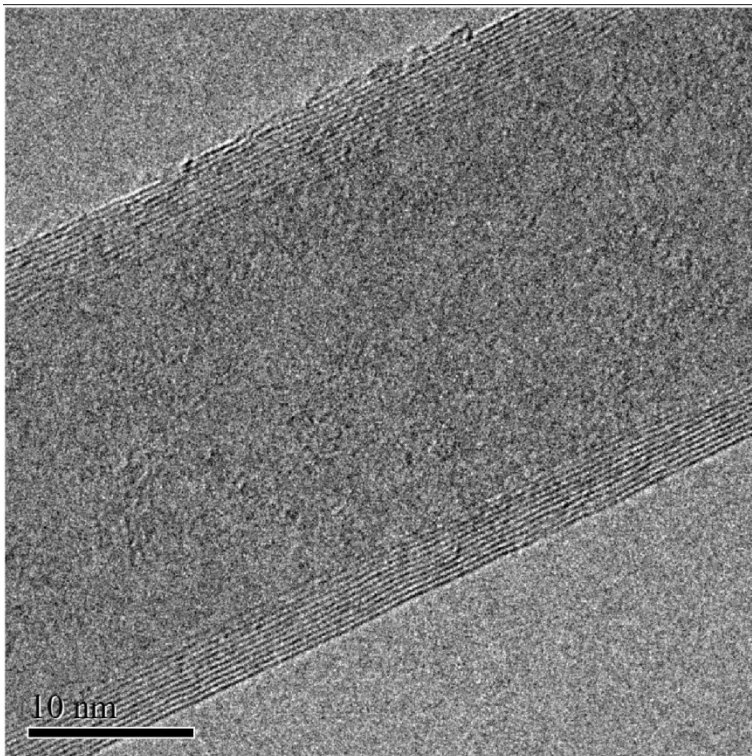
 Note: Other different sizes can be customized (block size: 0.1-100mL), and other density samples can be customized as well, density range: 5-50 mg/cm<sup>3</sup>.



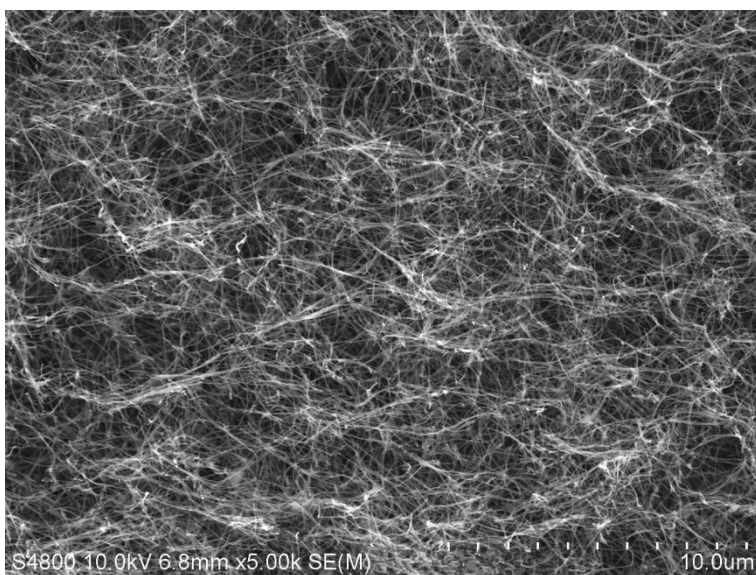
Product Photo of ACS Material Carbon Nanotube Sponges



TEM Image (01) of ACS Material Carbon Nanotube Sponges

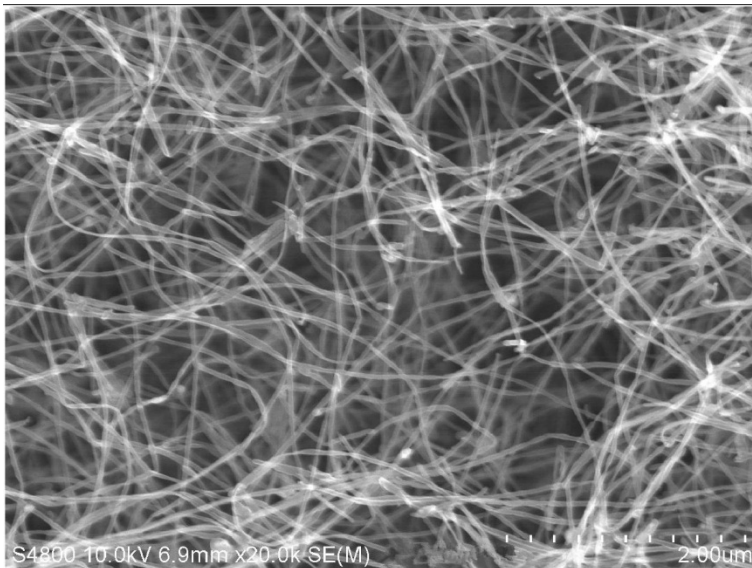


TEM Image (02) of ACS Material Carbon Nanotube Sponges



SEM Image (01) of ACS Material Carbon Nanotube Sponges





SEM Image (02) of ACS Material Carbon Nanotube Sponges

### 3. Application Fields

The sponge structure is uniform, good mechanical strength, good flexibility, high porosity and low density. It can be used as a purifying agent to absorb pollutants such as fertilizers, pesticides and pharmaceuticals in water, energy storage materials, catalyst carriers and high-efficiency composite materials.

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