



## Technical Data Sheet

### ACS Material Ordered porous carbon - honeycomb carbon powder (NCP)

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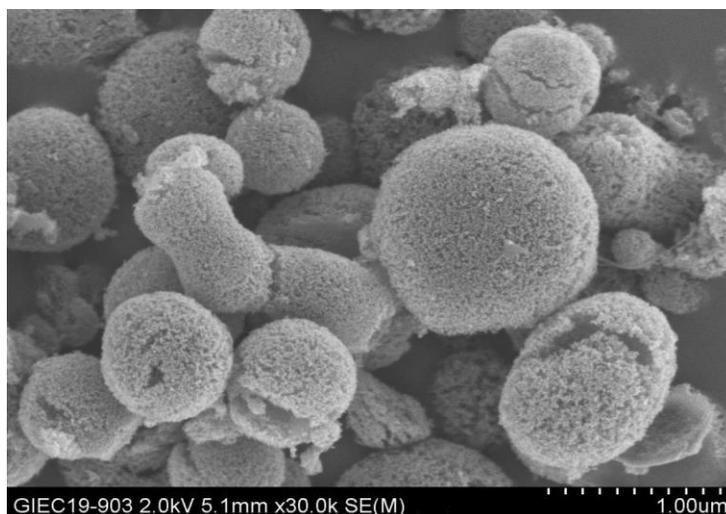
## 1. Preparation Method

Hard template method

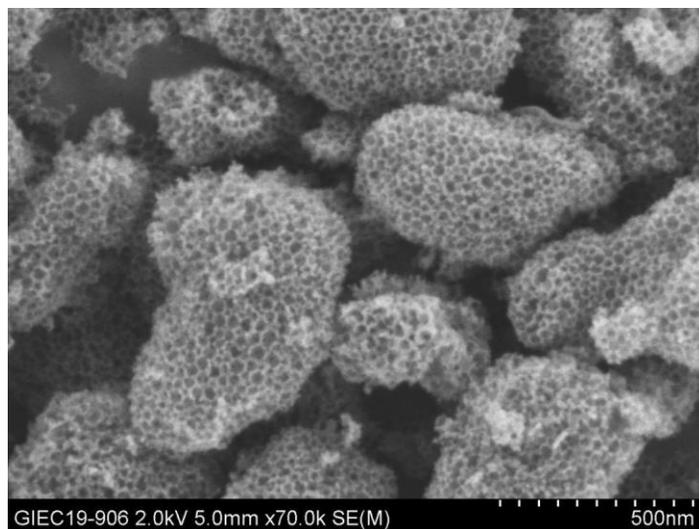
## 2. Characterizations

SKU	Aperture(nm)	Connecting hole (nm)	specific surface area(m <sup>2</sup> /g)	Pore volume (mL/g)
CNCP11A5	10	5	700	2.4
CNCP12A5	20	7	630	2.4
CNCP15A5	50	10	560	2.6
CNCP21A5	100	11	370	2.2

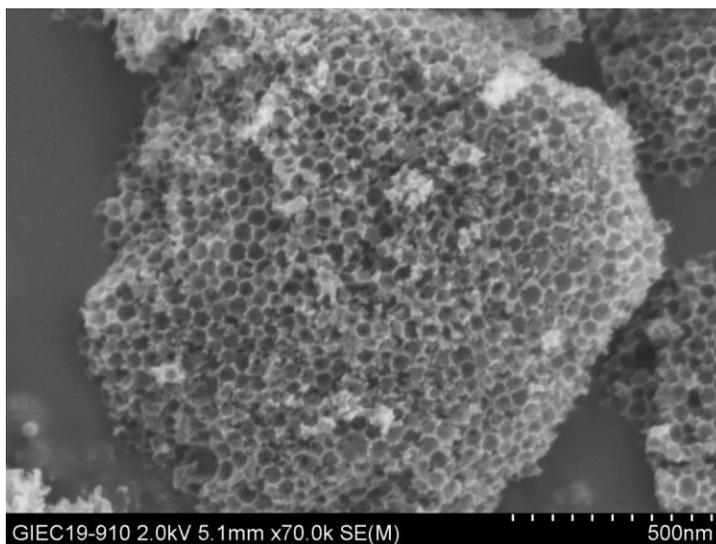
Ordered Porous Carbon Powder (NCP) is a powder product of Nano Porous Carbon Film (NCS), with the same internal structure as NCS. Nano porous carbon powder (NCP) is divided into two series, high pore volume (NCP-HV) and low pore volume. The difference in pore volume between the two is caused by the difference in wall thickness. High pores containing nano porous carbon powder (NCP-HV) has large pore volume and thin pore walls, which is suitable for scenarios with high pore volume requirements such as lithium-sulfur battery cathode materials; low pores containing nano porous carbon powder (NCP) has small pore volume, The pore wall is thick, suitable for catalyst carrier materials and other scenes that require high corrosion resistance. The aperture can be customized according to customer requirements (including composite holes).



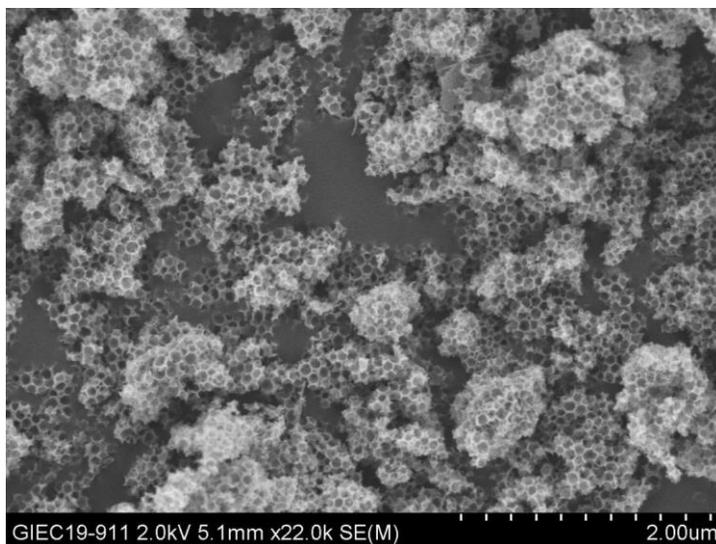
SEM Image of ACS Material Ordered porous carbon- honeycomb carbon powder (NCP)



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SEM Image of ACS Material Ordered porous carbon- honeycomb carbon powder (NCP)



SEM Image of ACS Material Ordered porous carbon- honeycomb carbon powder (NCP)

### 3. Applications

Lithium-sulfur battery cathode materials, catalyst carrier materials, etc.

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