

# HAYCARB HARD CARBON (HCH102)

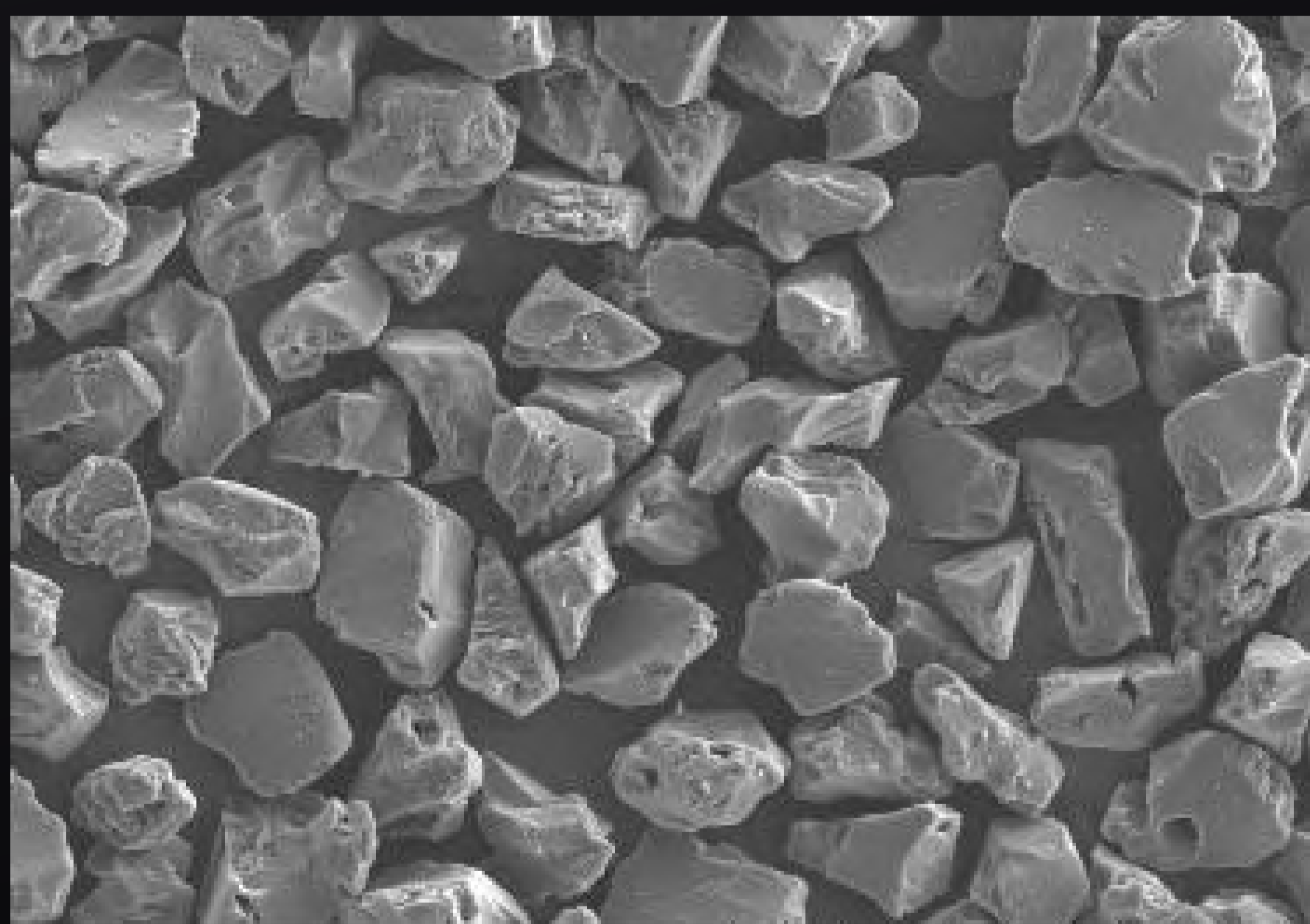
## POWERING THE FUTURE OF ENERGY

The need for both the efficient and eco-friendly energy storage solutions has never been greater. At Haycarb, we have taken up this challenge by developing our high-quality Haycarb Hard Carbon for use in Sodium ion and Lithium ion batteries and capacitors. Our Hard Carbon is created using coconut shell charcoal and proprietary technology which stands out due to its superior performance in terms of energy density, long cycle life, and excellent power performance.

PARAMETER	SPECIFICATION
Surface Area (m <sup>2</sup> /g) BET N2	<10
Particle Size D <sub>50</sub> (μm)	7-9
Ash (% by wt)	Max: 0.2
Bulk Density (g/cm <sup>3</sup> )	Min: 0.75
pH	5-8
Moisture (%)	Max: 2
Interlayer Spacing D <sub>002</sub> (nm)	Min: 0.38

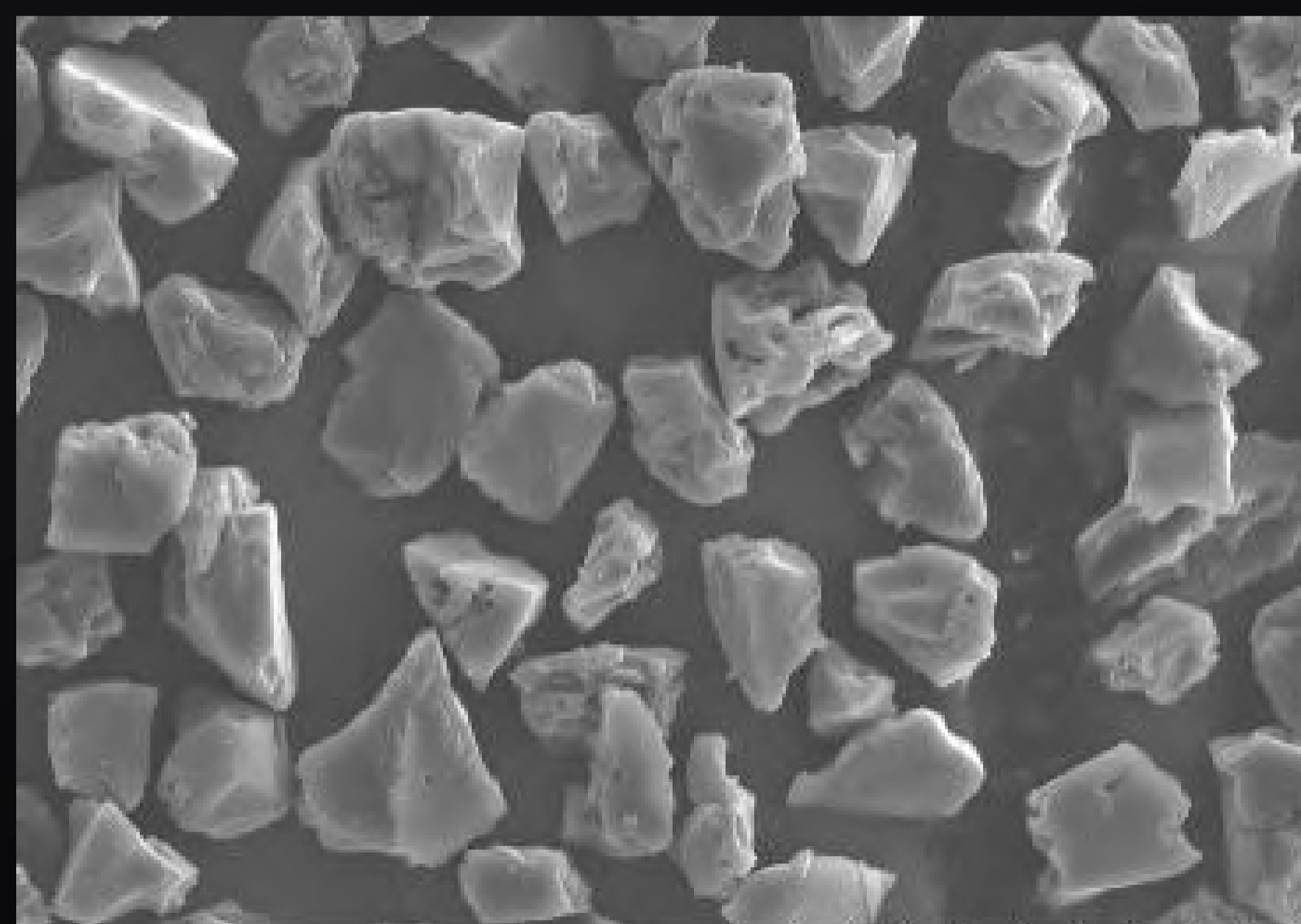
### PRODUCT CHARACTERISTICS

Initial Capacitance : 300 mAh/g >  
Efficiency : 90 %  
Good Slope of Charge /Discharge Curve  
Good Stability of Capacitance Retention Over Cycle Life  
Very Low Surface Area Carbon  
Ultrapure Carbon (Very Low Ash Coconut Carbon)  
Customized Particle Size Distributions  
Ability to Change the Surface Properties of Product  
Customized Surface Area



SU8800 5.0kV 10.0mm x 1.9k SE

30.0μm



SU8800 10.0kV 10.2mm x 1.90k SE

30.0μm

### PACKAGING

Standard packaging is designed primarily to prevent deterioration of accurately graded granules and preclude the adsorption of moisture or atmospheric contaminants.





**HAYCARB**  
*Activated carbon solutions*



#### **WARRANTY DISCLAIMER**

Please confirm the specification of any particular grade with your representative prior to purchase. The user is responsible for ensuring that the product is correctly specified prior to purchase and Haycarb makes no express warranty as to suitability for specific application.

**Haycarb PLC** is a world's leading manufacturer and marketer of coconut shell activated carbon. Haycarb manufactures a complete range of standard, washed and impregnated granular activated carbon, powder activated carbon and extruded pellet activated carbon for a full spectrum of applications in Water Treatment, Air Treatment, Gold Recovery, Food and Beverage Industry, Energy Storage, and Specialty Applications.

#### **For more information contact us today!**

Telephone : + 94 11 2687 565/ 262 7441/ 262 7445

Fax : + 94 11 2699630

Email : [inquiries@haycarb.com](mailto:inquiries@haycarb.com)/ [sales@haycarb.com](mailto:sales@haycarb.com)

#### **FOLLOW US:**

@haycarbplc on    

Haycarb is Certified for ISO 9001 and ISO 14001

**Scan Here**



[www.haycarb.com](http://www.haycarb.com)