

# WATER CARBONS



## PROCARB-900 GAC

### Description

Rotocarb's ProCarb-900 series of Granular Activated Carbon (GAC) is manufactured from sustainably sourced macadamia nut shells through steam activation. The resulting high-density carbon structure with a highly developed bimodal meso- and micro- porous structure allows for the adsorption of a range of molecular sizes, making this carbon ideal for a broad range of water treatment applications. Due to this unique structure, this premium grade GAC bridges the gap between conventional coal and coconut carbons and may be used as an effective alternative to either. This product is ideally suited for high-end water treatment applications.



### Product Advantages

- Steam activated
- No regenerated content
- Highly developed internal surface area
- Highly effective bi-modal adsorbing pore structure
- Wide range of contaminant removal capabilities
- Low ash content
- High hardness and mechanical strength
- Rapid bed fluidization and low energy backwash
- SANS 52915 (EN12915) Compliant - Products used for treatment of water intended for human consumption

### Applications<sup>1</sup>

- Potable / Drinking water treatment
- Municipal water treatment
- High-end waste water treatment
- Water re-use applications
- Pre-filtration for Reverse Osmosis Systems
- Aquaculture Systems
- Ground water treatment
- Process water treatment for food and beverage sectors

### ProCarb-900 Specifications

<b>Iodine Number (mg/g)</b>	900+
<b>Ash Content (wt%)</b>	< 3
<b>Moisture Content (wt%)</b>	< 5
<b>Ball Pan Hardness (%)</b>	Min 97
<b>Apparent Density (kg/m<sup>3</sup>)</b>	360

### Sizing and Packaging

<b>Sizing (ASTM Mesh)<sup>2</sup></b>	6x12, 8x16, 8x30, 12x30, 12x40
<b>Standard Packaging</b>	20kg Bags or 335kg Bulk Bags

1. Contact for application specific / technical input

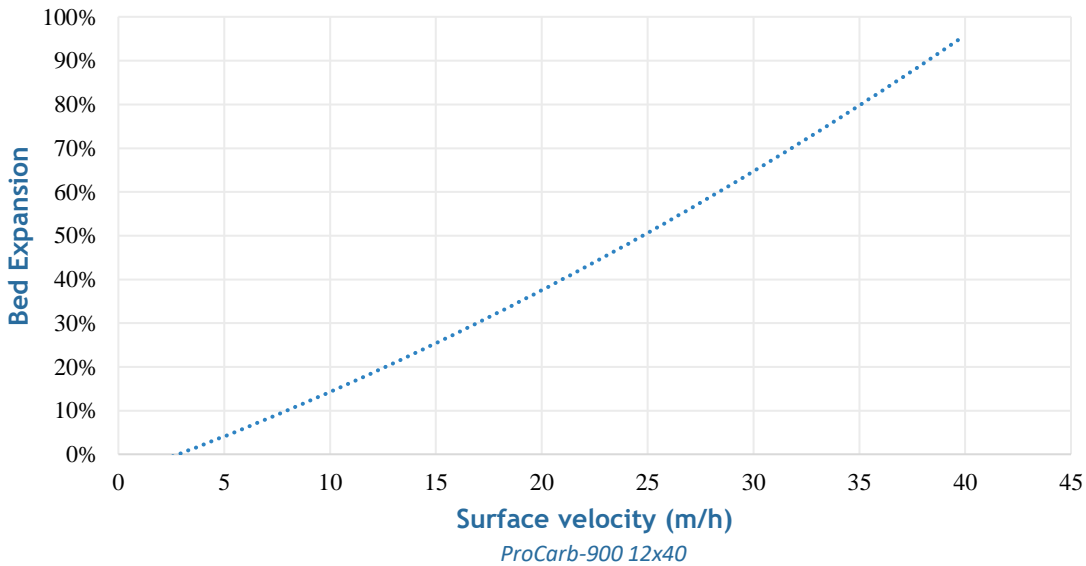
2. Contact for alternative / custom size ranges

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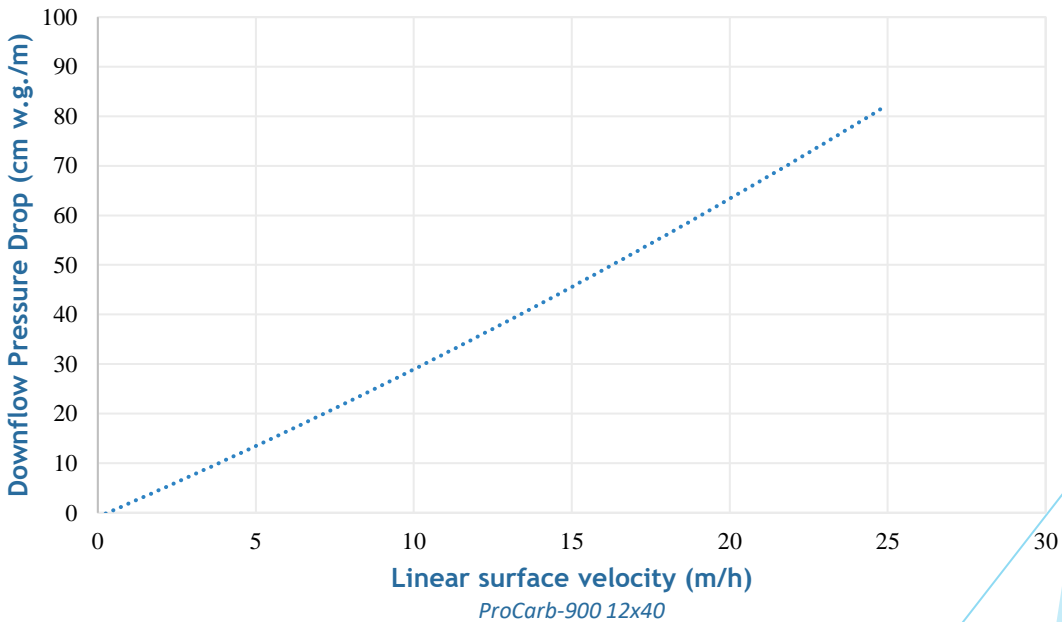


## PROCARB-900 GAC

### Bed Expansion



### Downflow Pressure Loss



All technical information represented is determined to relevant ASTM Standards or through Rotocarb's rigorous and scientifically validated internal test methods. Rotocarb is driven to continually develop and improve its products and reserves the right to change its technical specifications without prior notice. Clients are responsible for confirming specifications and making appropriate material selections to match end use. Contact Rotocarb Sales for product selection guidance and recommendations.